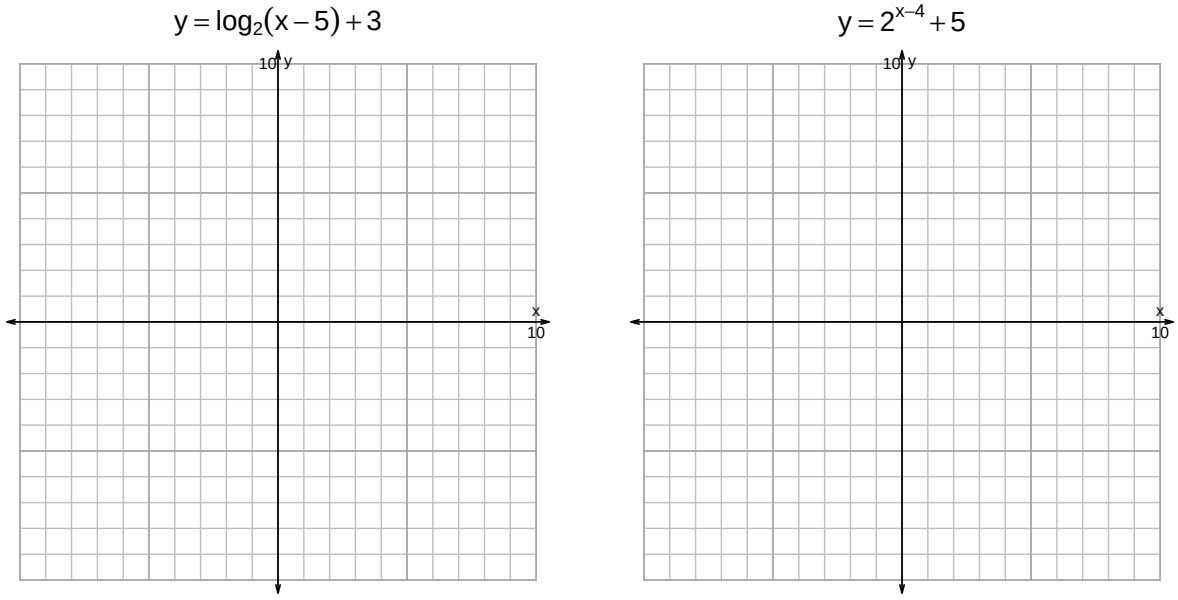
Name: Date:

s18quiz: EXP LOG (Practice v100)

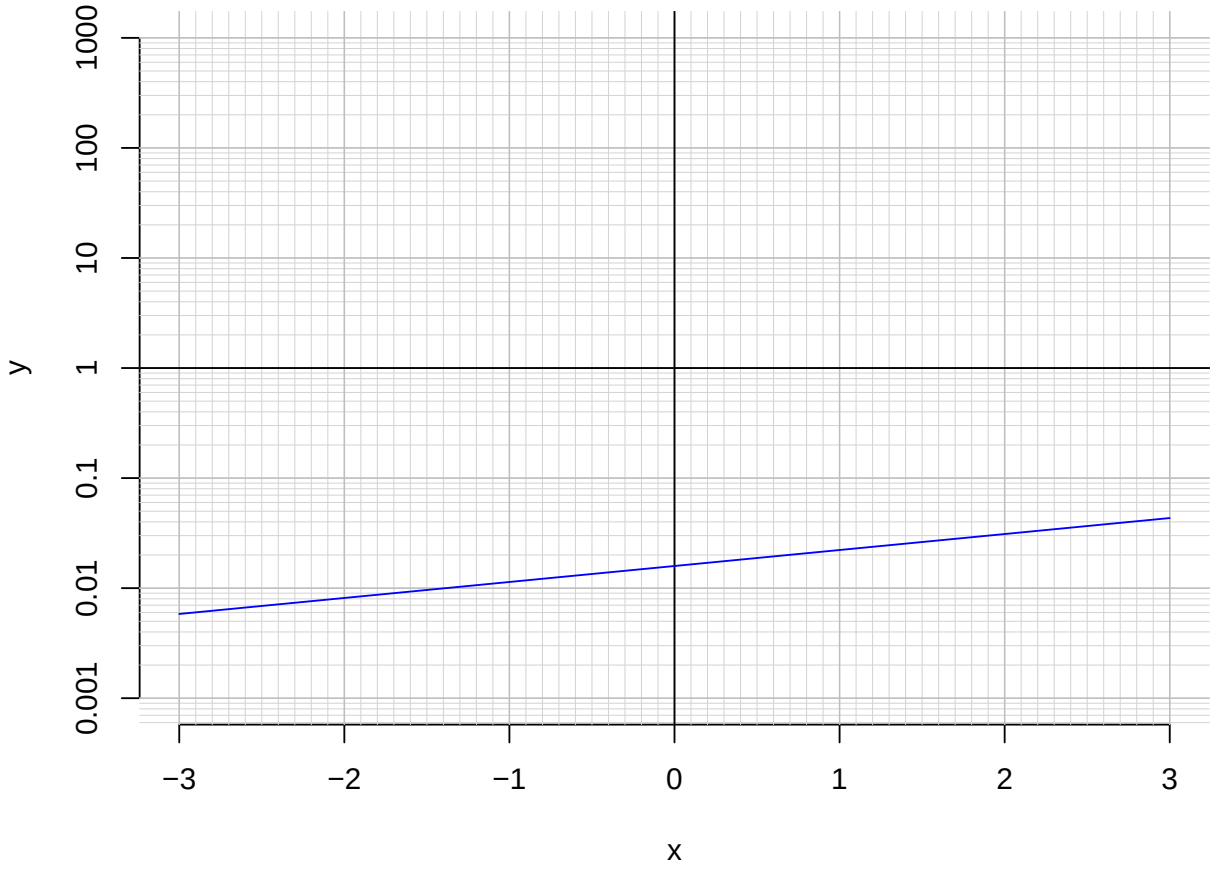
1. Graph $y = \log_2(x-5)+3$ and $y = 2^{x-4}+5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$17 = \left(\frac{4}{7}\right) \cdot 10^{5t/3}$$

3. An exponential function $f(x) = 0.0159 \cdot e^{0.334x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.7)$.

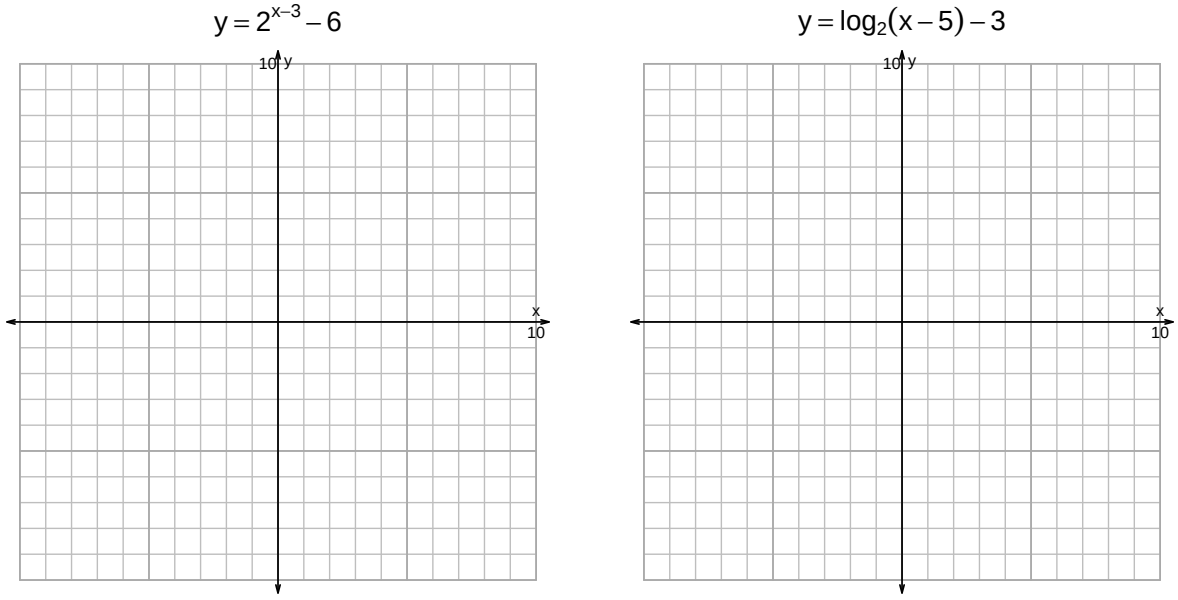
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.03)$.

Name: Date:

s18quiz: EXP LOG (Practice v101)

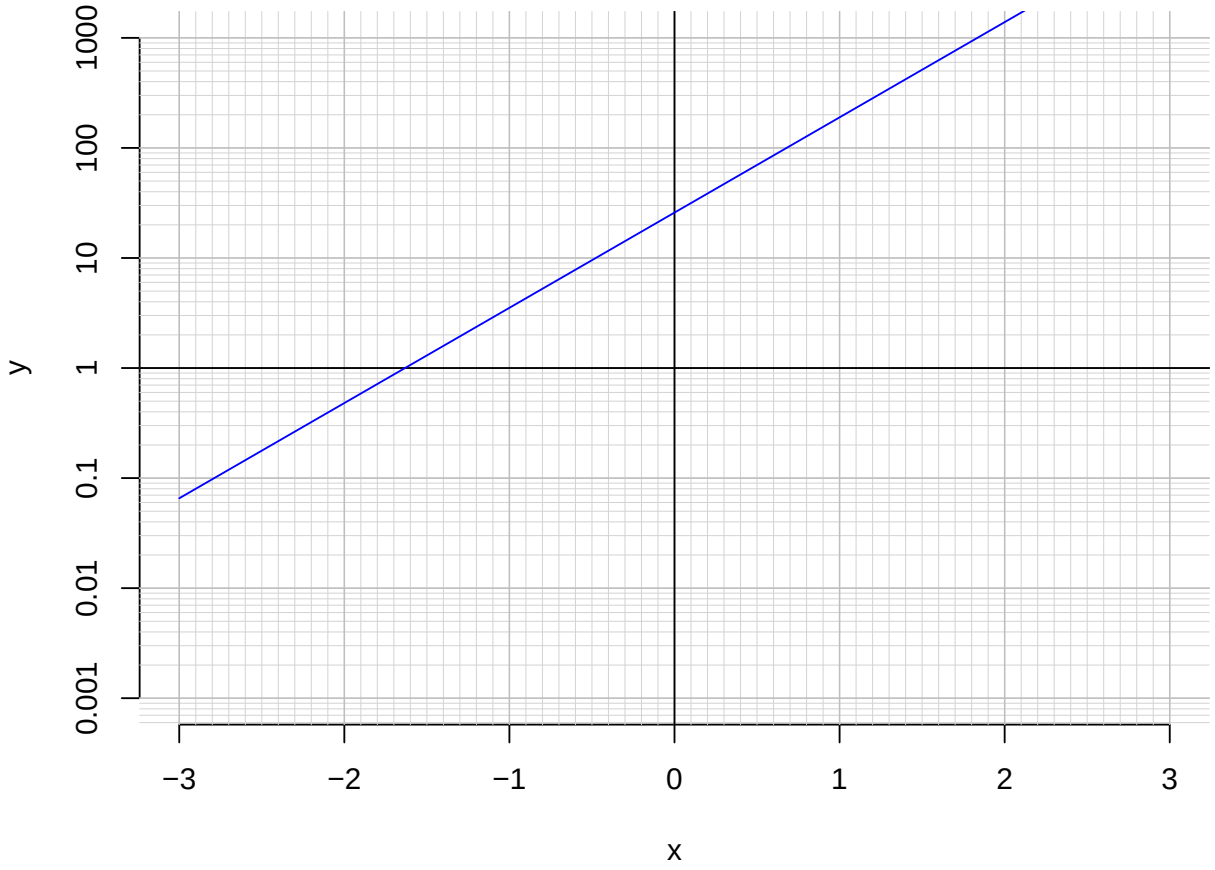
1. Graph $y = 2^{x-3} - 6$ and $y = \log_2(x-5) - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$17 = \left(\frac{4}{5}\right) \cdot 2^{-7t/3}$$

3. An exponential function $f(x) = 25.8 \cdot e^{1.99x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-2.9)$.

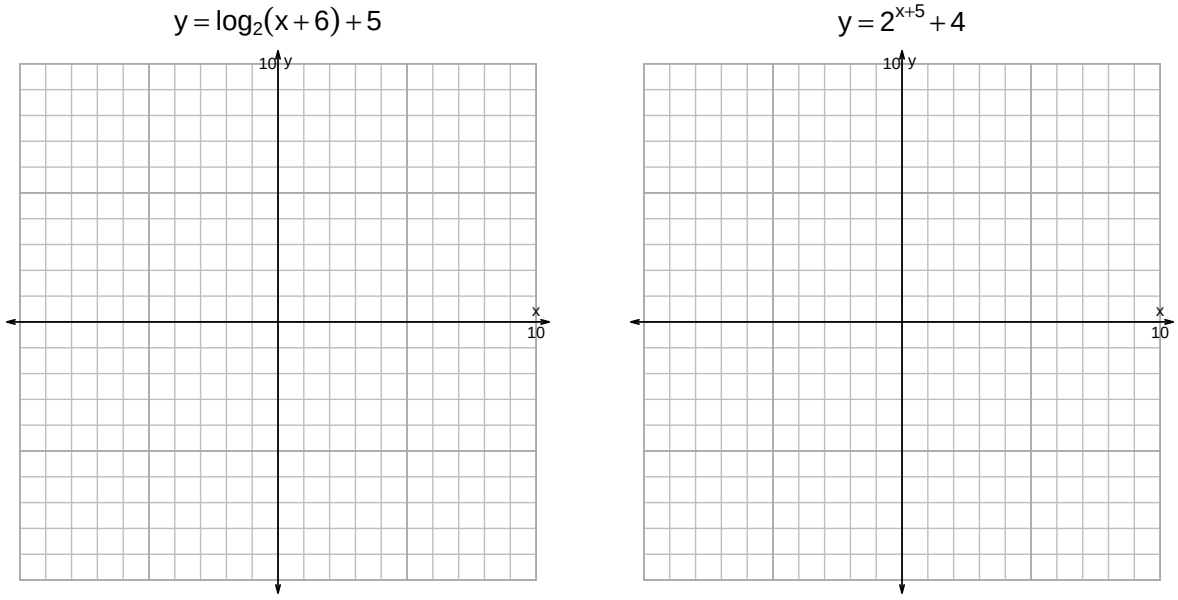
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(70)$.

Name: Date:

s18quiz: EXP LOG (Practice v102)

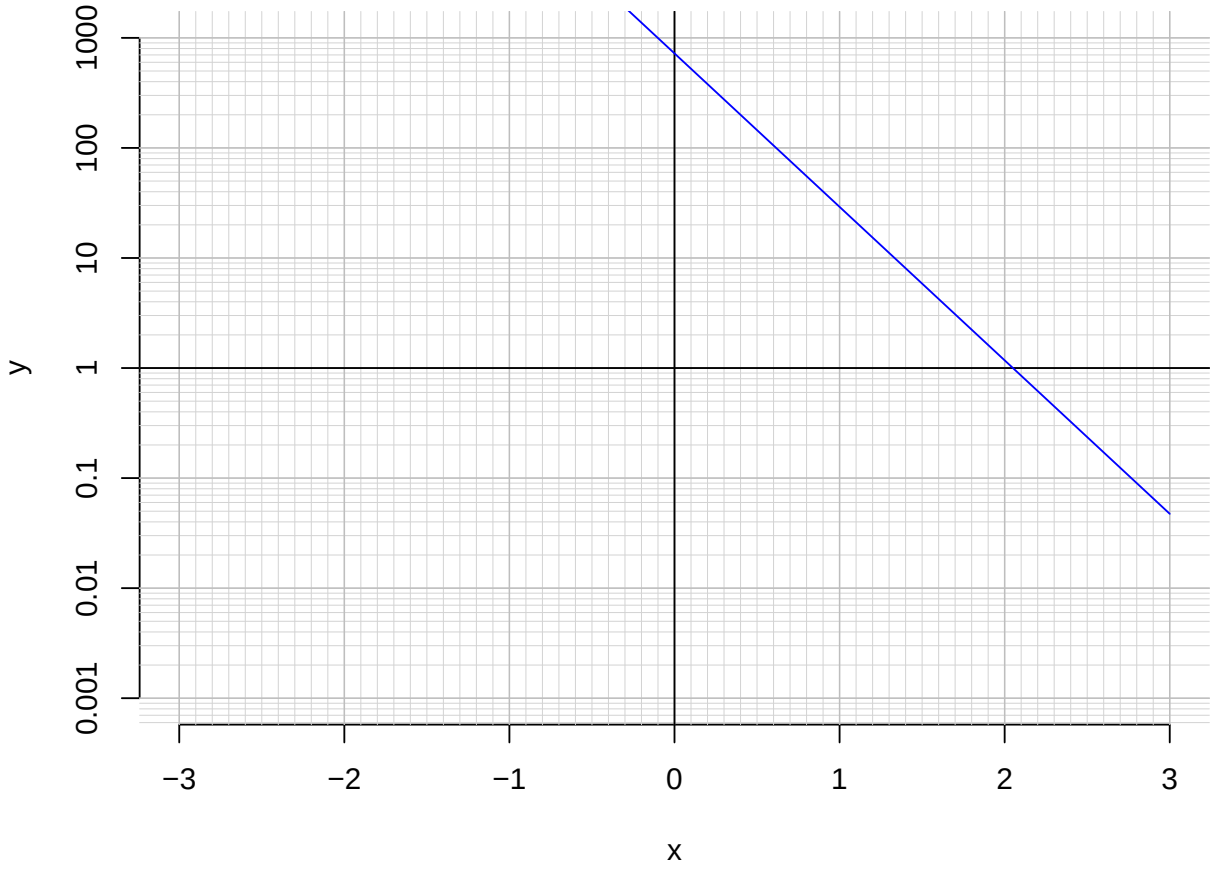
1. Graph $y = \log_2(x+6)+5$ and $y = 2^{x+5}+4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-23 = \left(\frac{-5}{7}\right) \cdot 2^{3t/4}$$

3. An exponential function $f(x) = 722 \cdot e^{-3.21x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(0.4)$.

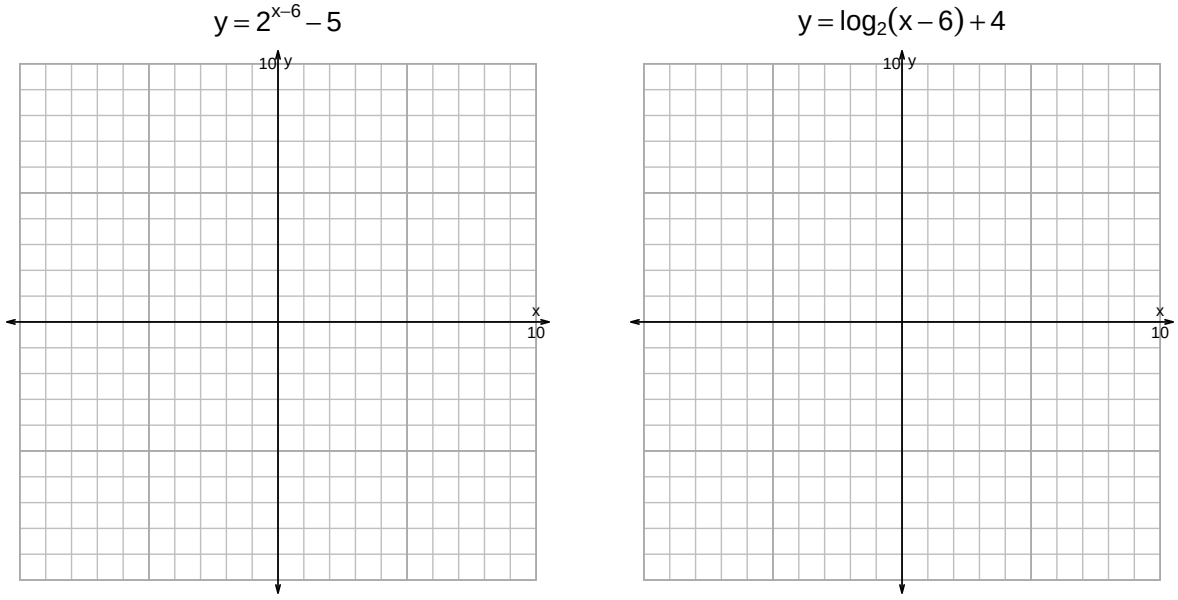
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.09)$.

Name: Date:

s18quiz: EXP LOG (Practice v103)

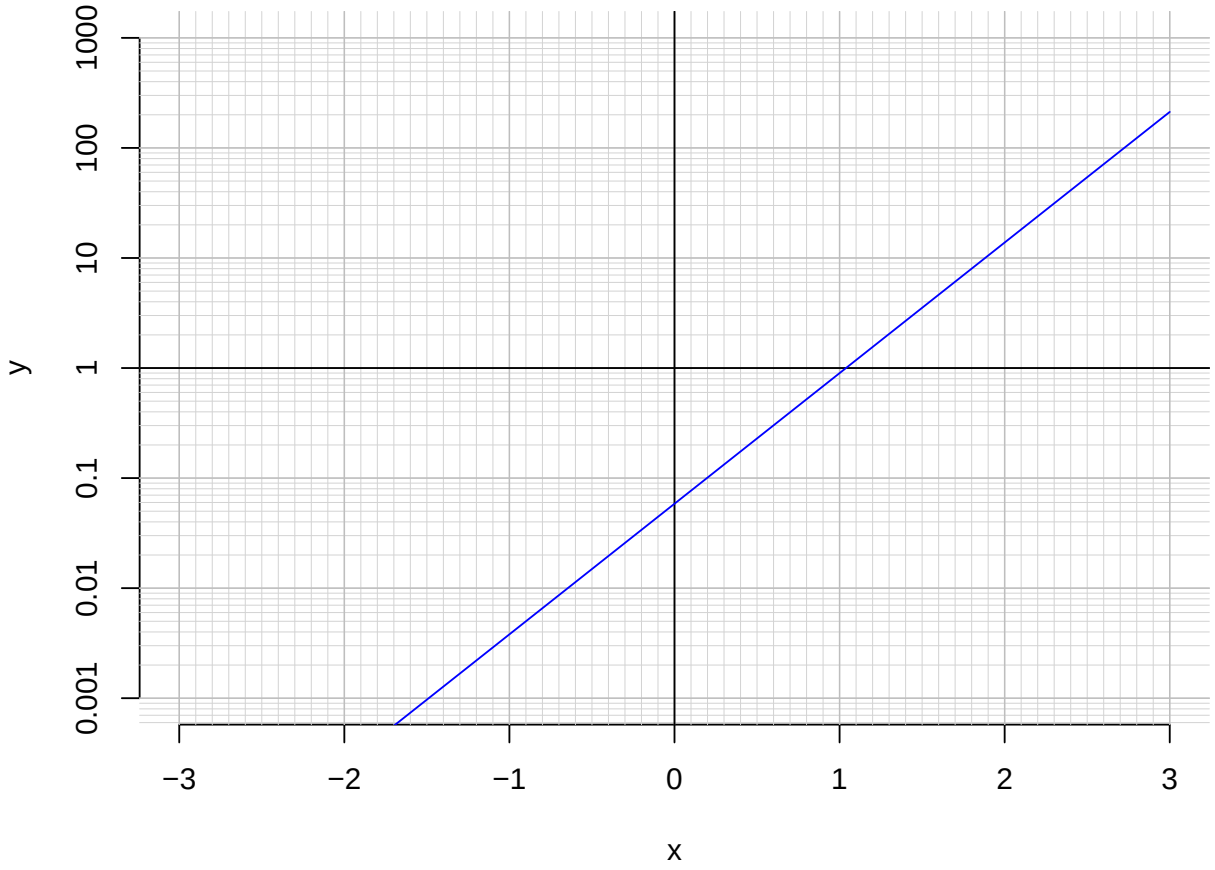
1. Graph $y = 2^{x-6} - 5$ and $y = \log_2(x-6) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$23 = \left(\frac{7}{4}\right) \cdot 2^{3t/5}$$

3. An exponential function $f(x) = 0.0585 \cdot e^{2.73x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.9)$.

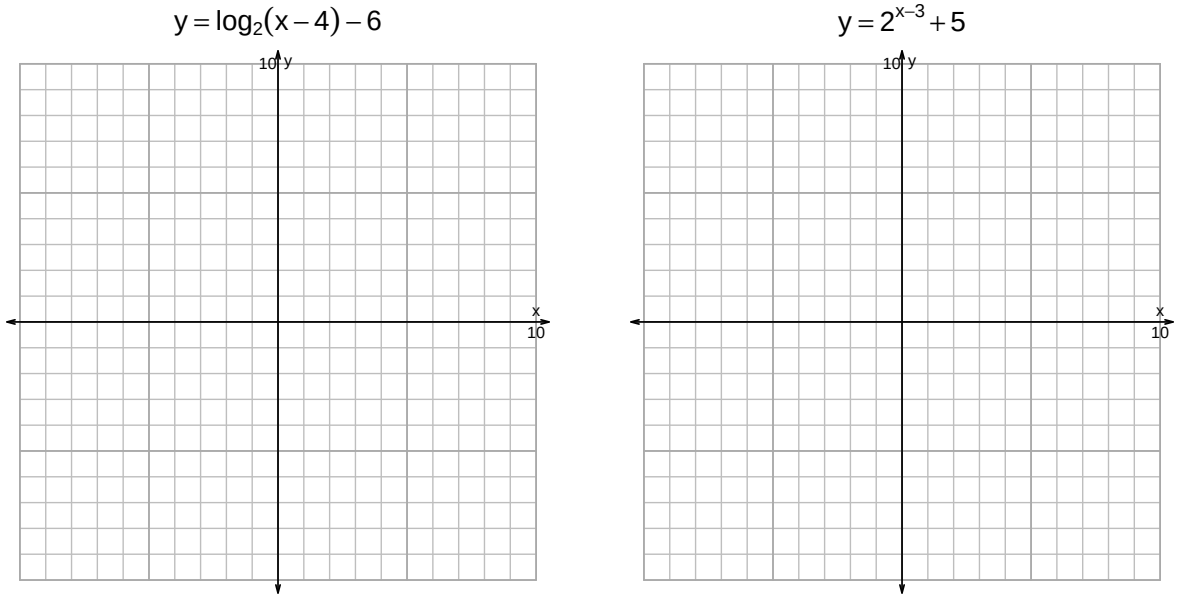
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(8)$.

Name: Date:

s18quiz: EXP LOG (Practice v104)

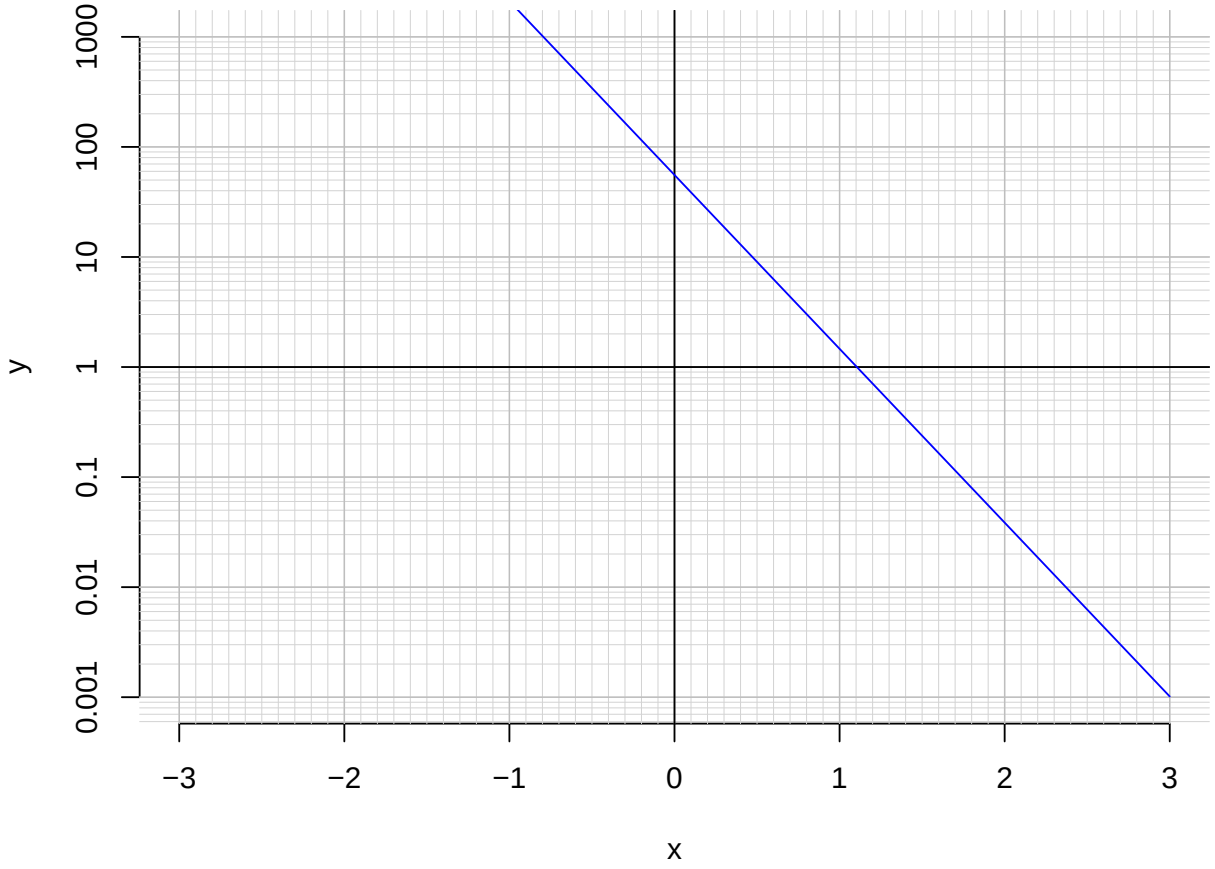
1. Graph $y = \log_2(x-4) - 6$ and $y = 2^{x-3} + 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-19 = \left(\frac{-4}{7}\right) \cdot 2^{-3t/5}$$

3. An exponential function $f(x) = 55.6 \cdot e^{-3.64x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.4)$.

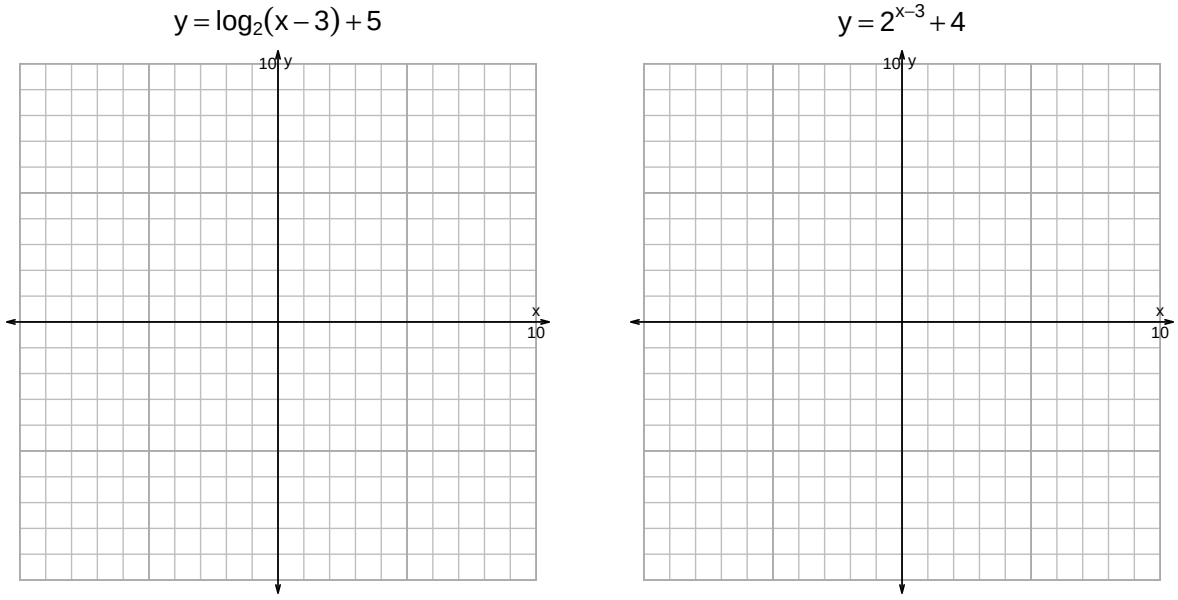
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(80)$.

Name: Date:

s18quiz: EXP LOG (Practice v105)

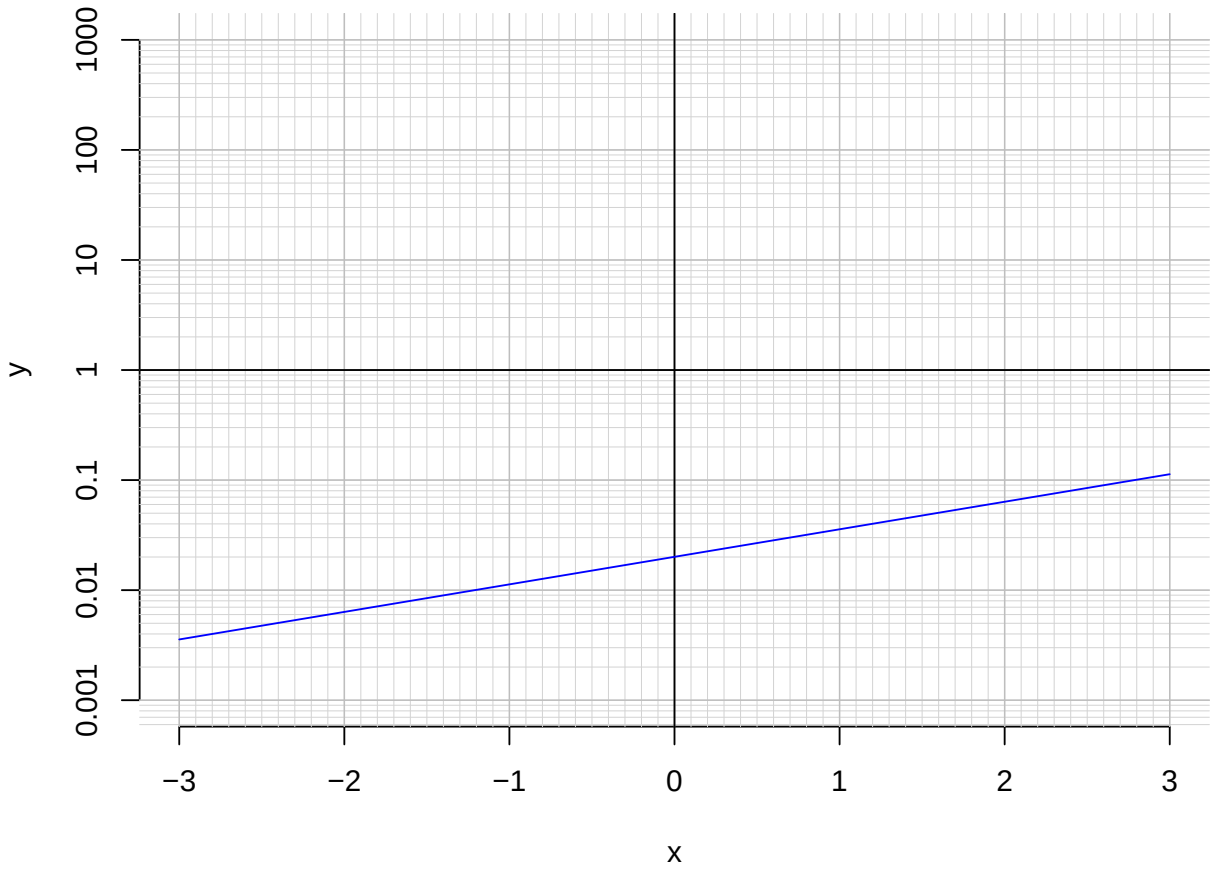
1. Graph $y = \log_2(x-3)+5$ and $y = 2^{x-3}+4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-29 = \left(\frac{-4}{5}\right) \cdot 2^{7t/3}$$

3. An exponential function $f(x) = 0.0201 \cdot e^{0.576x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.9)$.

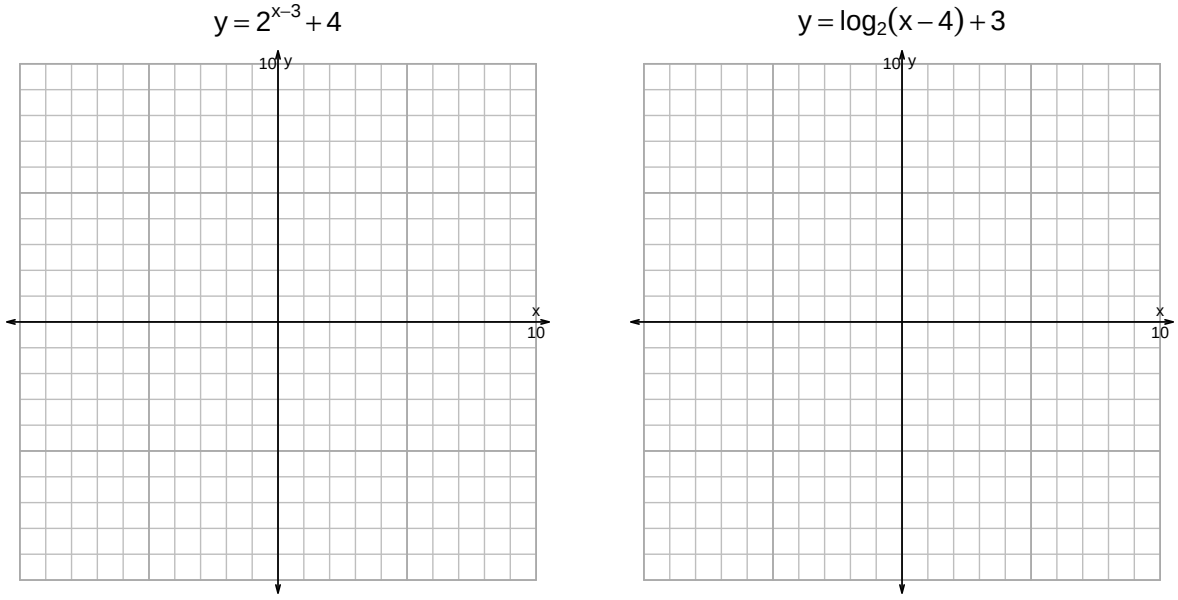
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.004)$.

Name: Date:

s18quiz: EXP LOG (Practice v106)

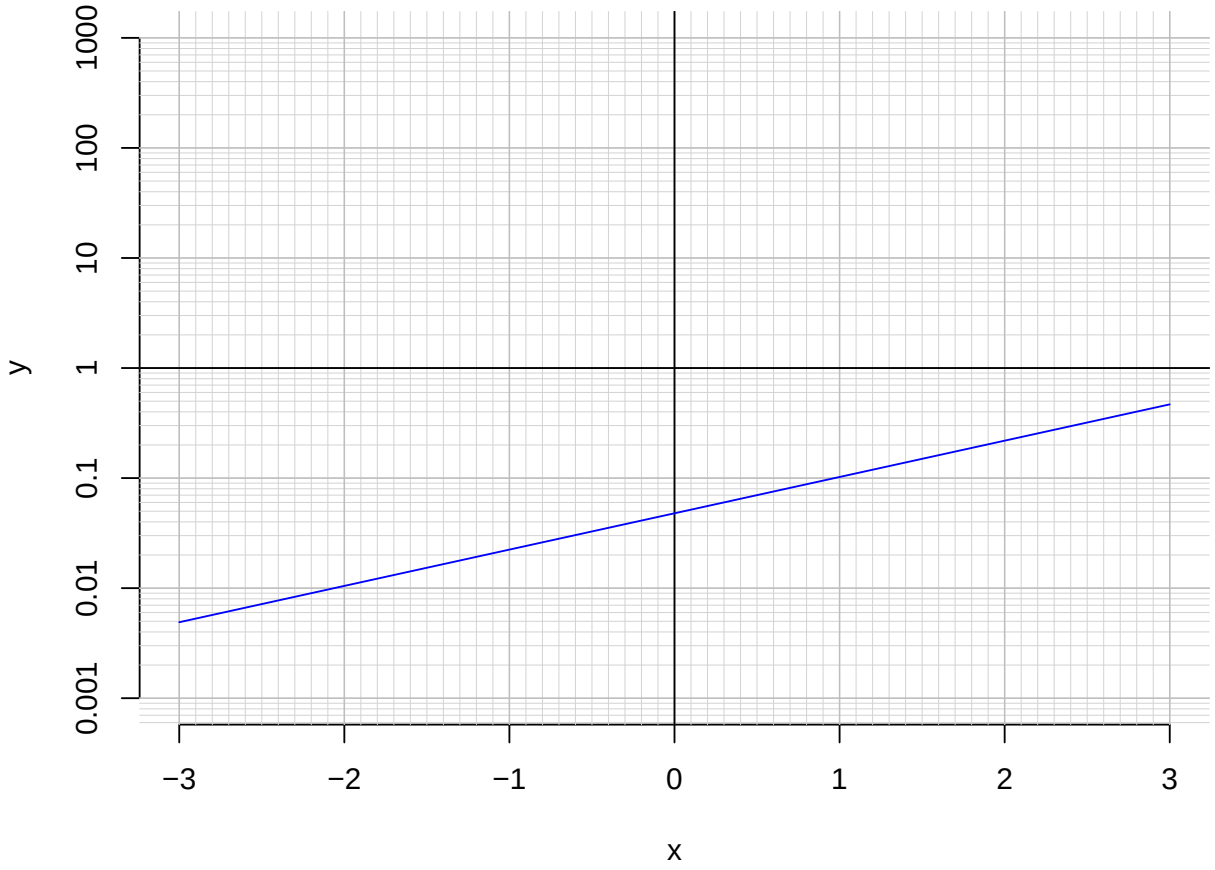
1. Graph $y = 2^{x-3} + 4$ and $y = \log_2(x-4) + 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$17 = \left(\frac{3}{4}\right) \cdot 2^{-7t/5}$$

3. An exponential function $f(x) = 0.0479 \cdot e^{0.76x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-2.2)$.

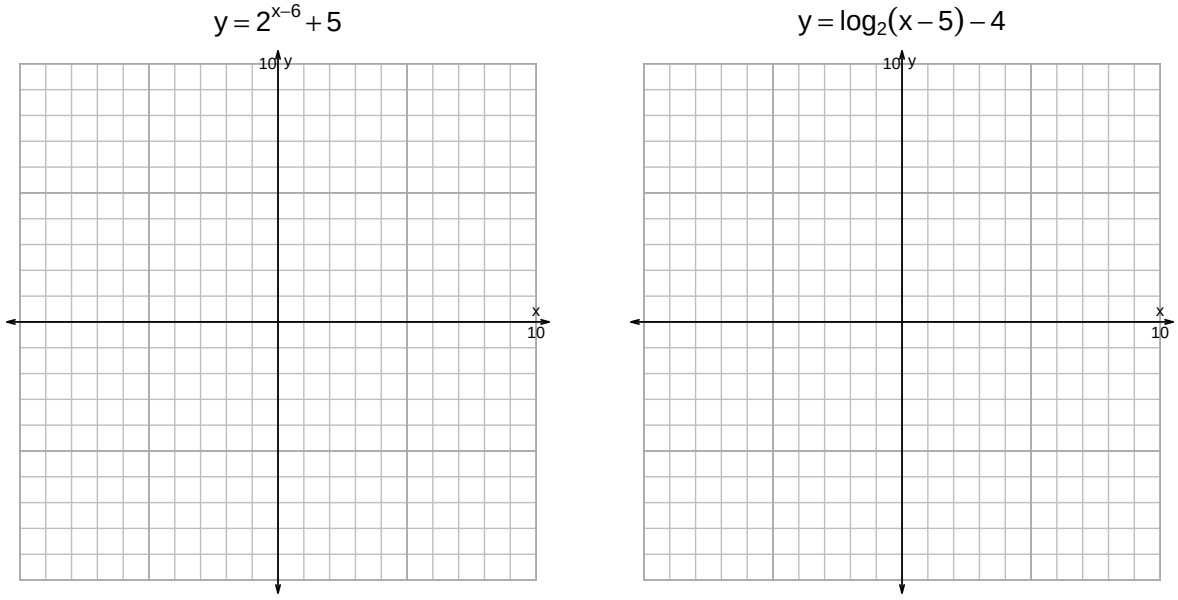
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.07)$.

Name: Date:

s18quiz: EXP LOG (Practice v107)

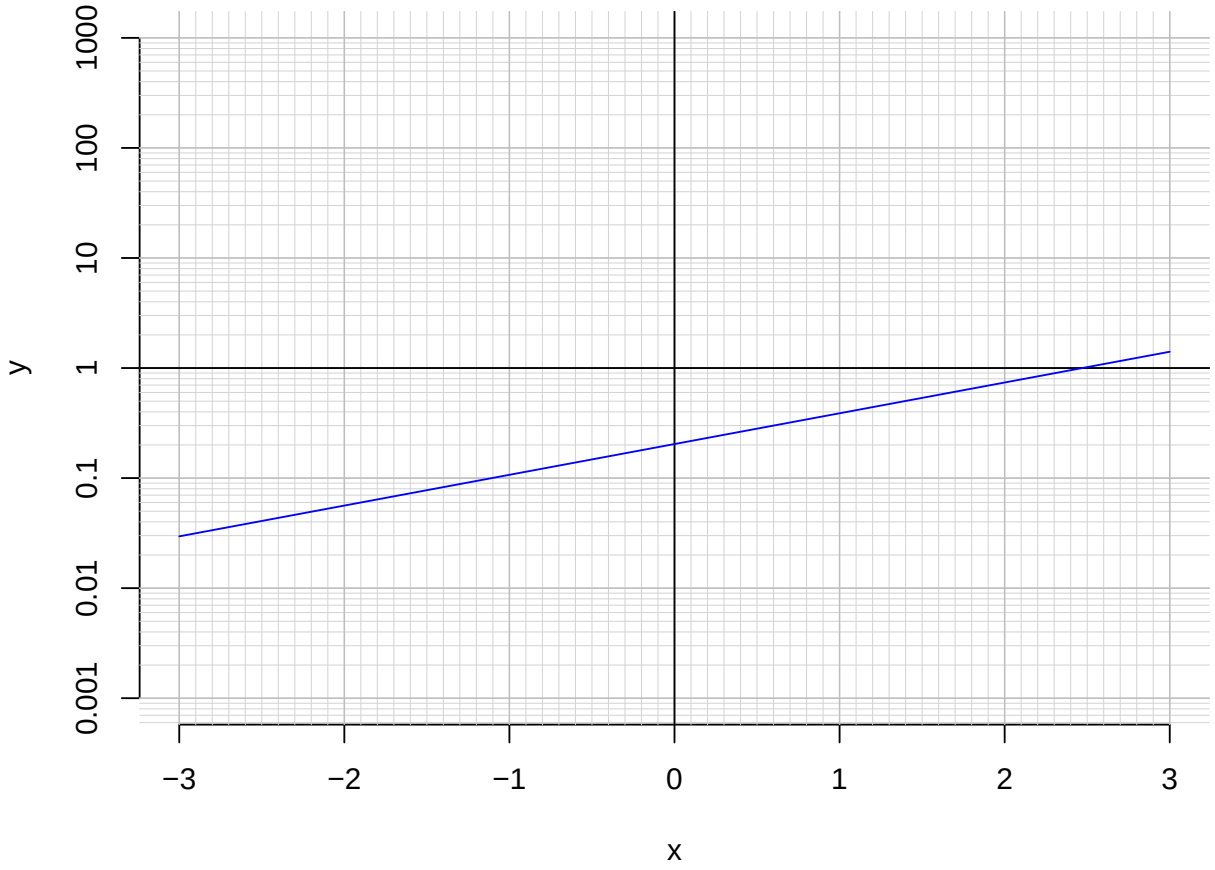
1. Graph $y = 2^{x-6} + 5$ and $y = \log_2(x-5) - 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-19 = \left(\frac{-4}{7}\right) \cdot 2^{-5t/3}$$

3. An exponential function $f(x) = 0.204 \cdot e^{0.644x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.9)$.

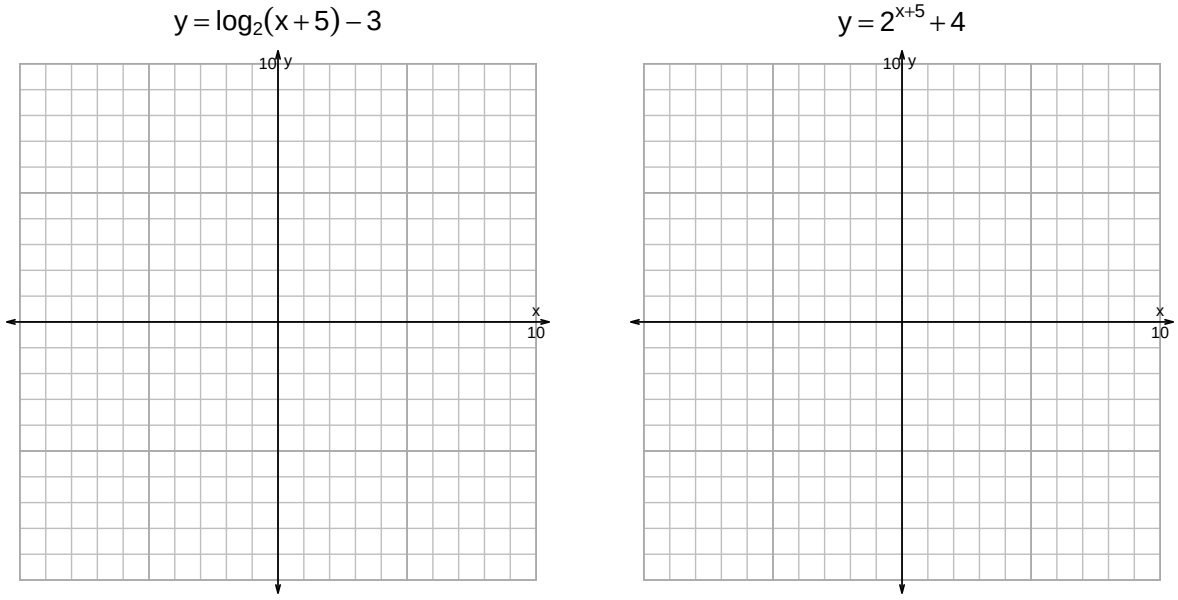
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.3)$.

Name: Date:

s18quiz: EXP LOG (Practice v108)

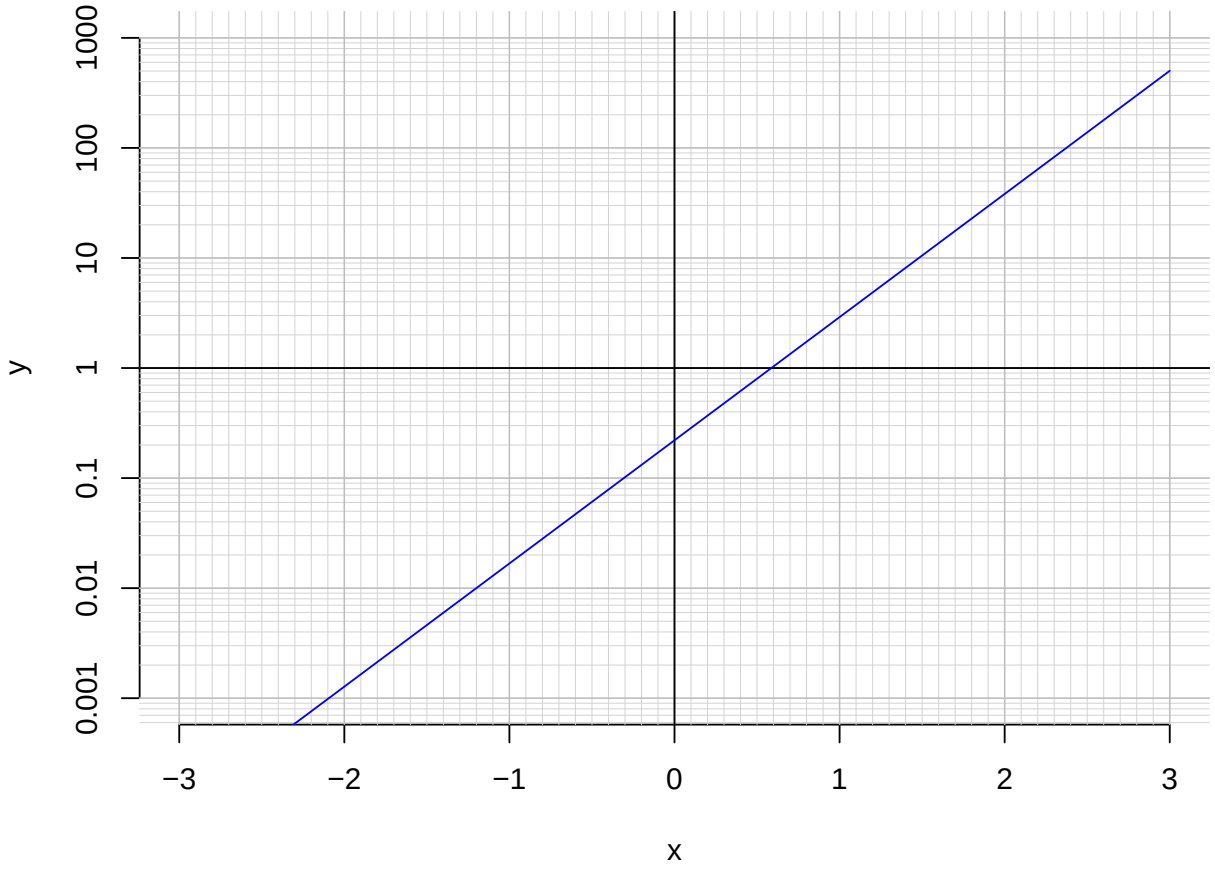
1. Graph $y = \log_2(x+5) - 3$ and $y = 2^{x+5} + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$11 = \left(\frac{3}{7}\right) \cdot 2^{5t/4}$$

3. An exponential function $f(x) = 0.221 \cdot e^{2.58x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.8)$.

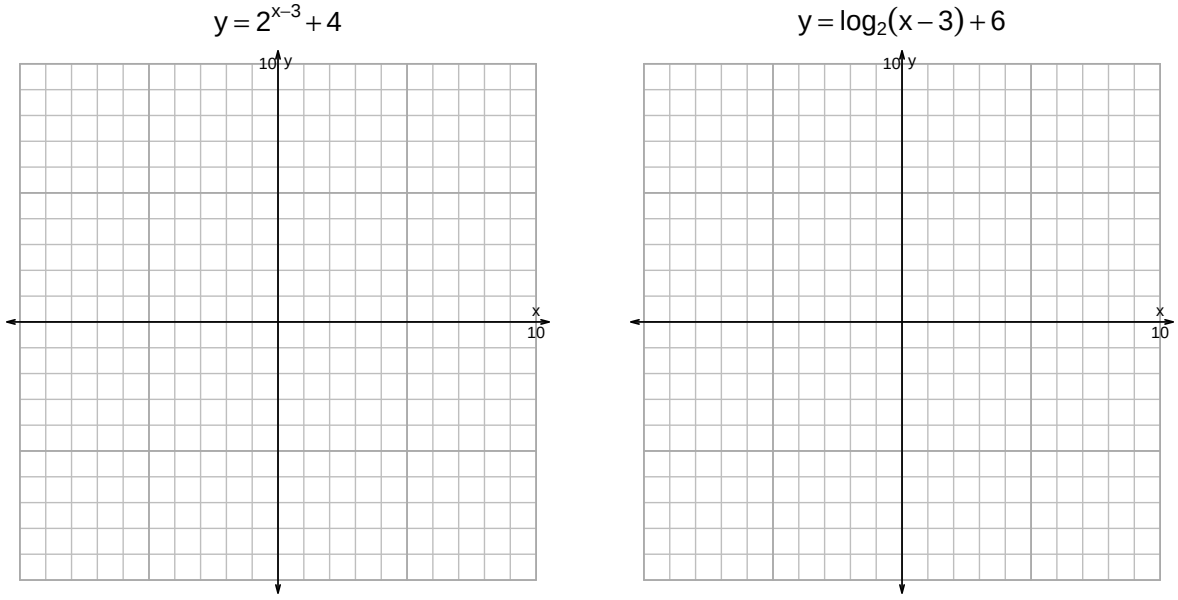
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.8)$.

Name: Date:

s18quiz: EXP LOG (Practice v109)

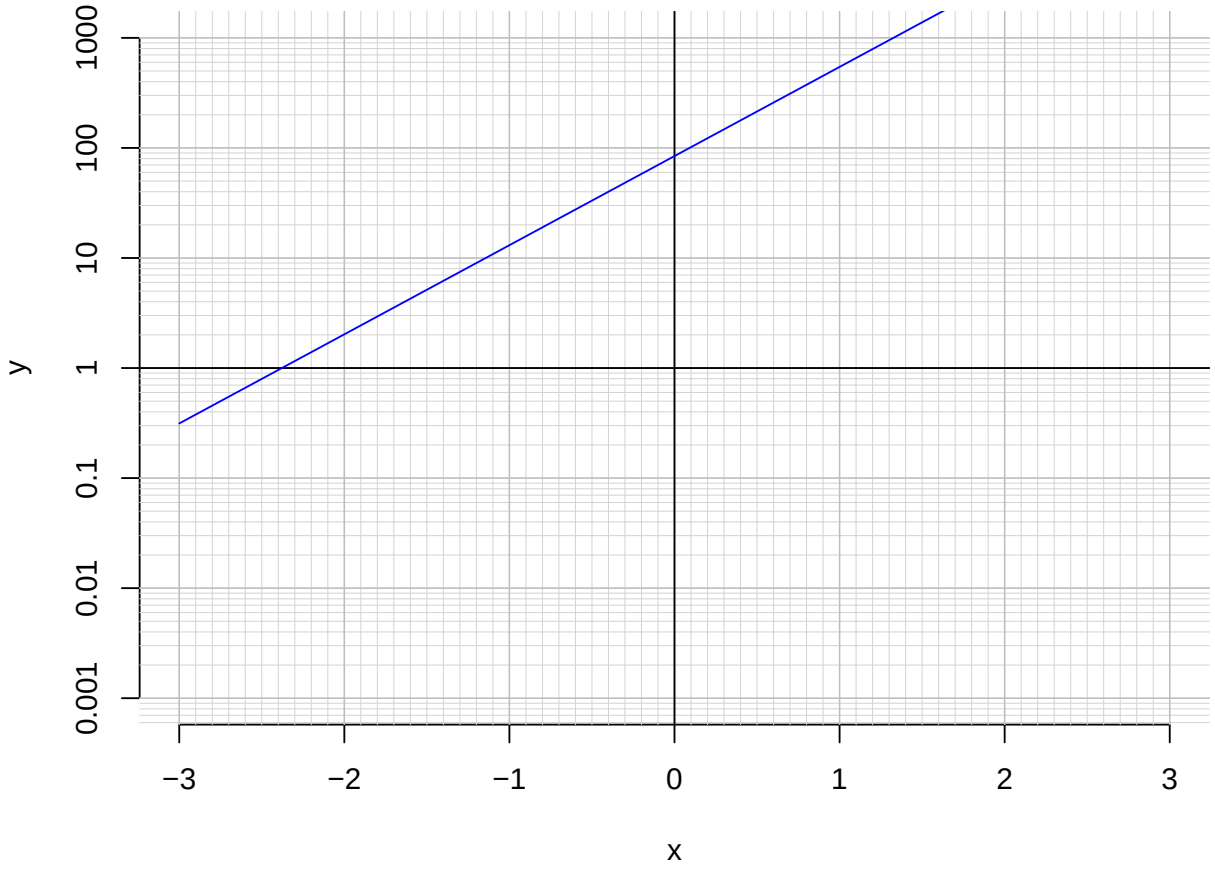
1. Graph $y = 2^{x-3} + 4$ and $y = \log_2(x-3) + 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$29 = \left(\frac{7}{4}\right) \cdot 2^{-3t/5}$$

3. An exponential function $f(x) = 84.3 \cdot e^{1.86x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.1)$.

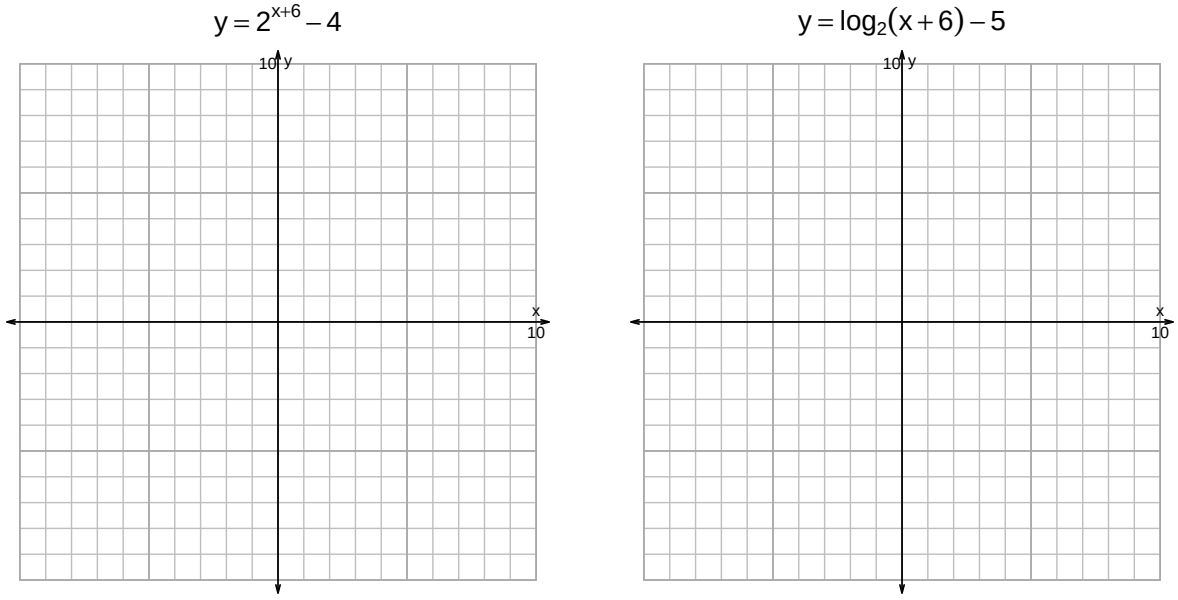
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(9)$.

Name: Date:

s18quiz: EXP LOG (Practice v110)

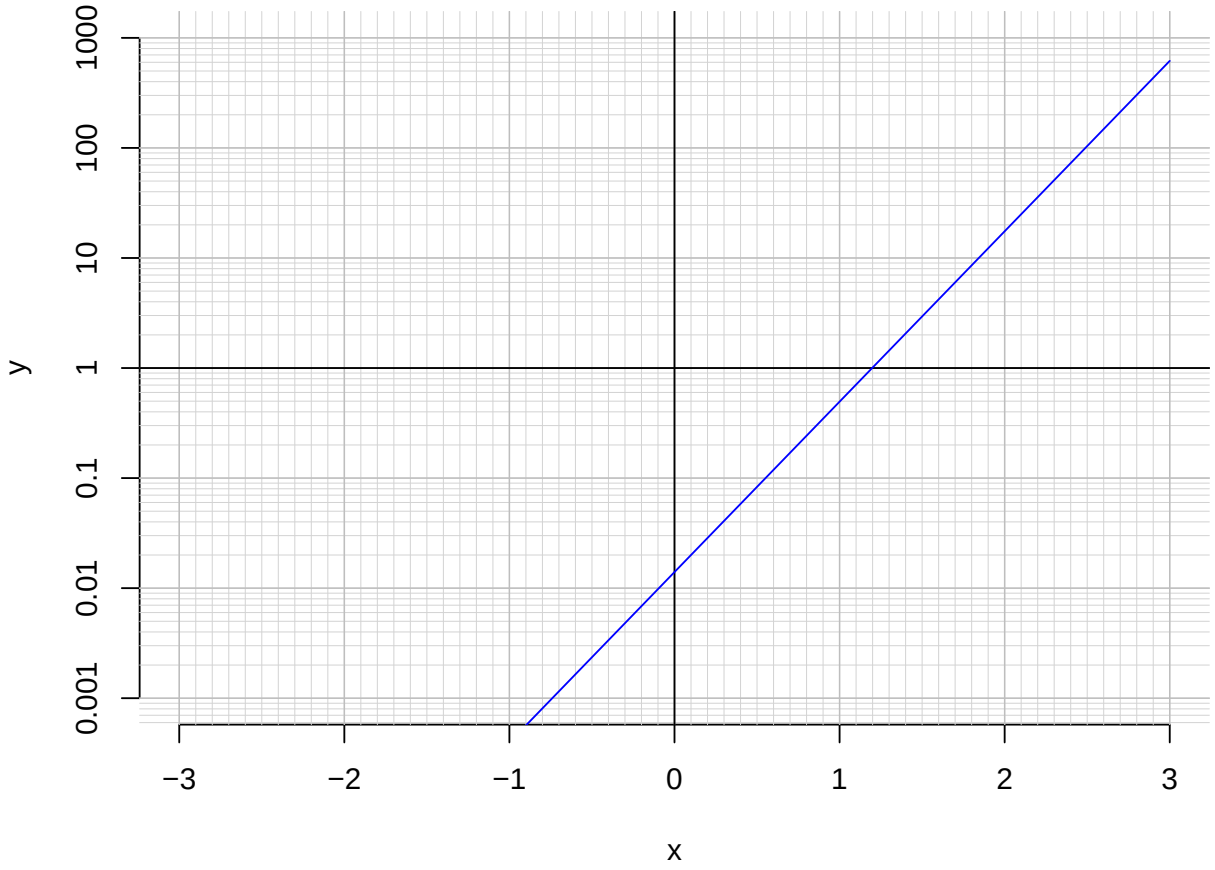
1. Graph $y = 2^{x+6} - 4$ and $y = \log_2(x+6) - 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$11 = \left(\frac{5}{7}\right) \cdot 2^{-4t/3}$$

3. An exponential function $f(x) = 0.014 \cdot e^{3.56x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.7)$.

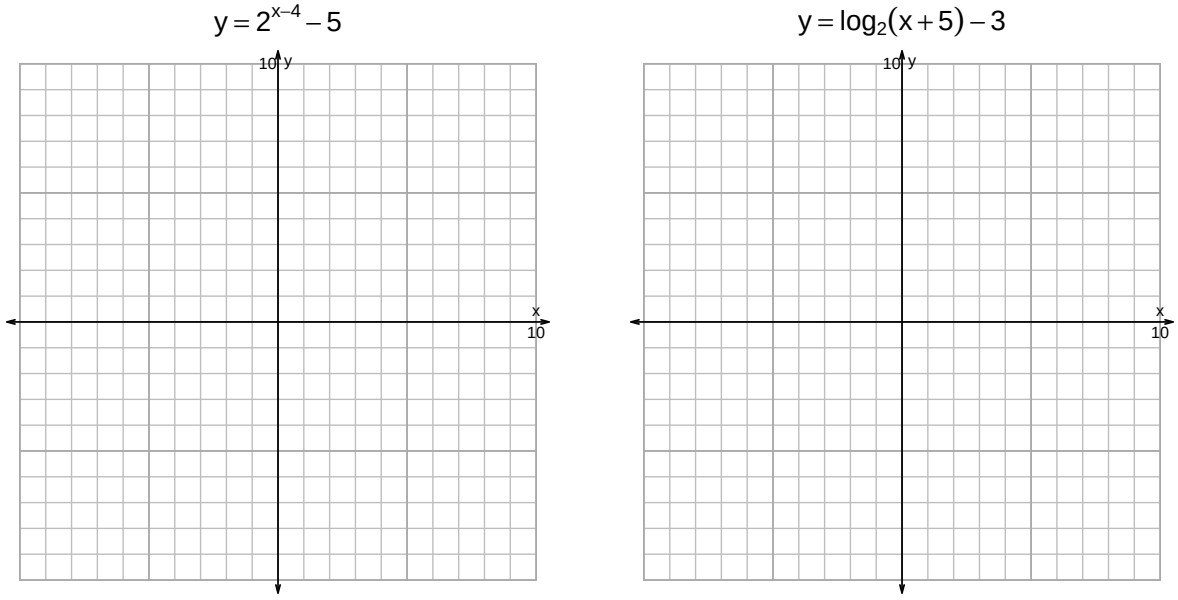
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.02)$.

Name: Date:

s18quiz: EXP LOG (Practice v111)

1. Graph $y = 2^{x-4} - 5$ and $y = \log_2(x+5) - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$29 = \left(\frac{4}{3}\right) \cdot 10^{5t/7}$$

3. An exponential function $f(x) = 0.0753 \cdot e^{-2.07x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(-1.2)$.

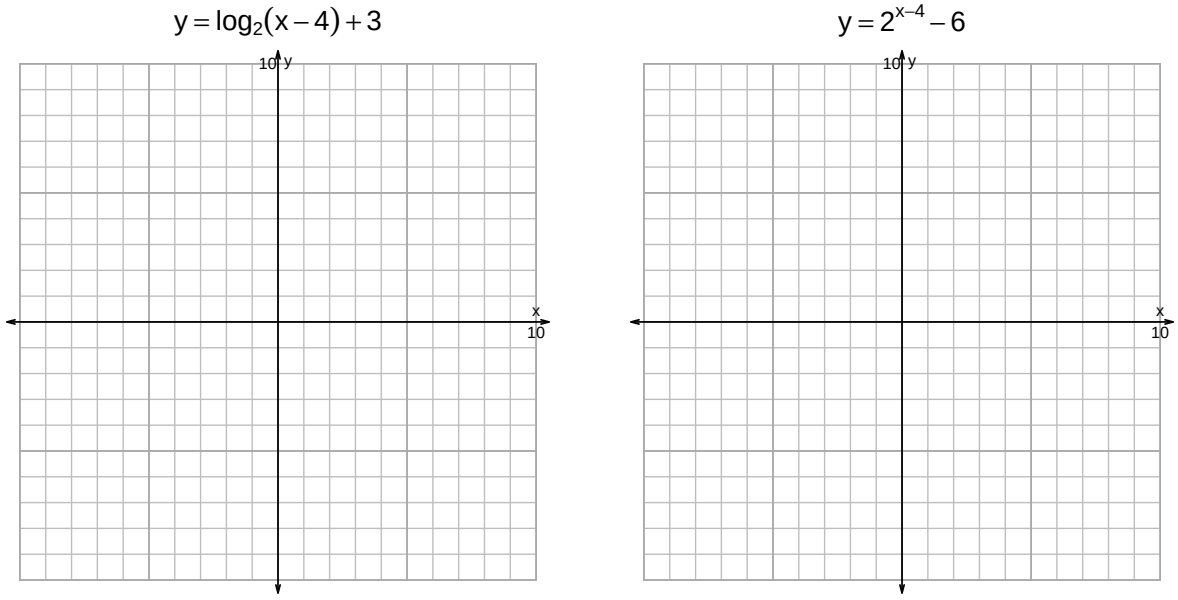
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(20)$.

Name: Date:

s18quiz: EXP LOG (Practice v112)

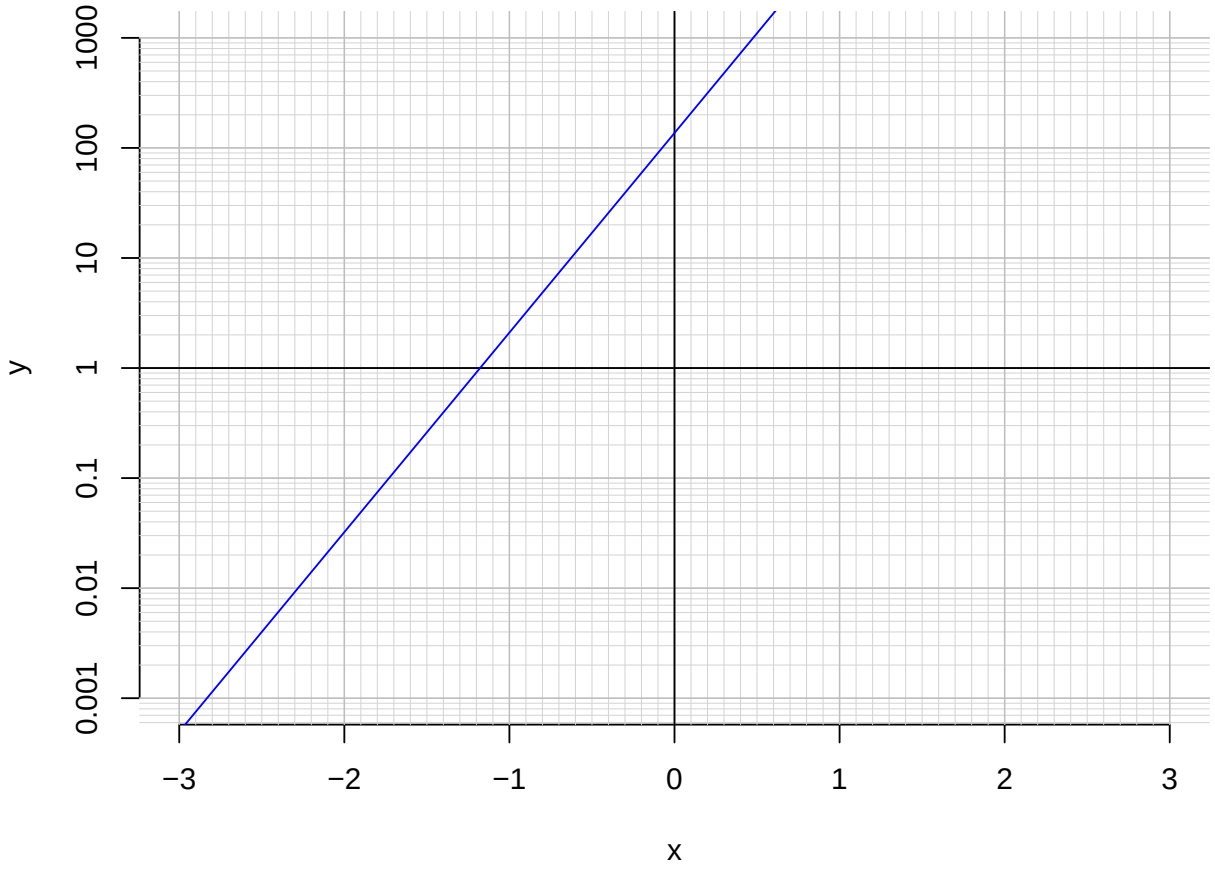
1. Graph $y = \log_2(x-4)+3$ and $y = 2^{x-4}-6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$29 = \left(\frac{7}{5}\right) \cdot 2^{3t/4}$$

3. An exponential function $f(x) = 137 \cdot e^{4.18x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.3)$.

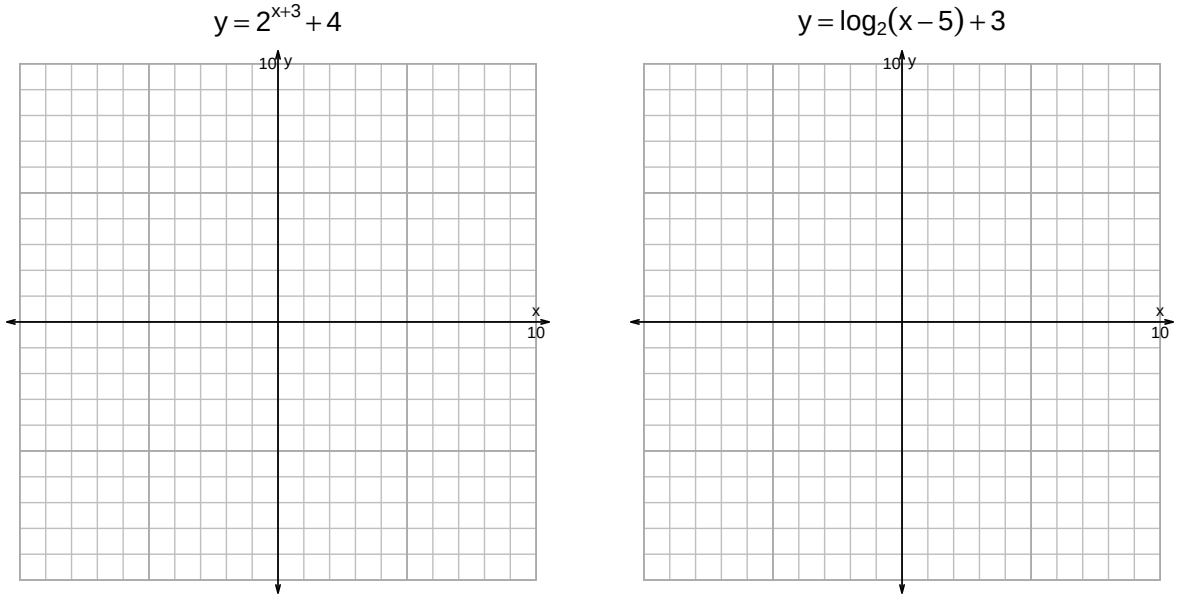
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.004)$.

Name: Date:

s18quiz: EXP LOG (Practice v113)

1. Graph $y = 2^{x+3} + 4$ and $y = \log_2(x-5) + 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$19 = \left(\frac{3}{5}\right) \cdot 2^{7t/4}$$

3. An exponential function $f(x) = 0.0101 \cdot e^{-1.15x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(-2.6)$.

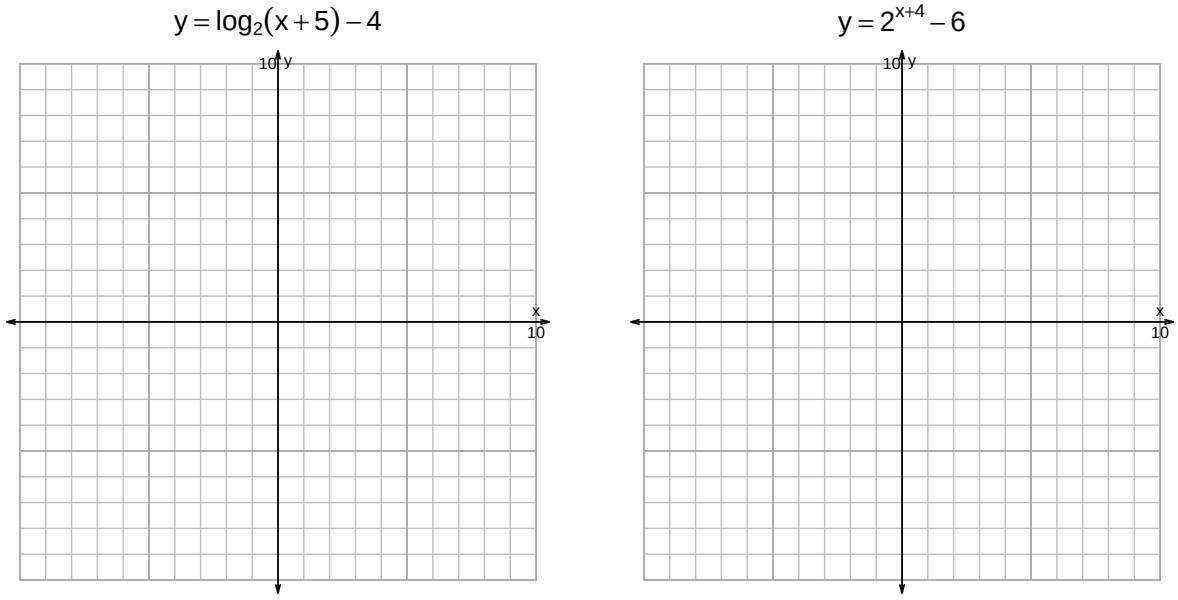
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.008)$.

Name: Date:

s18quiz: EXP LOG (Practice v114)

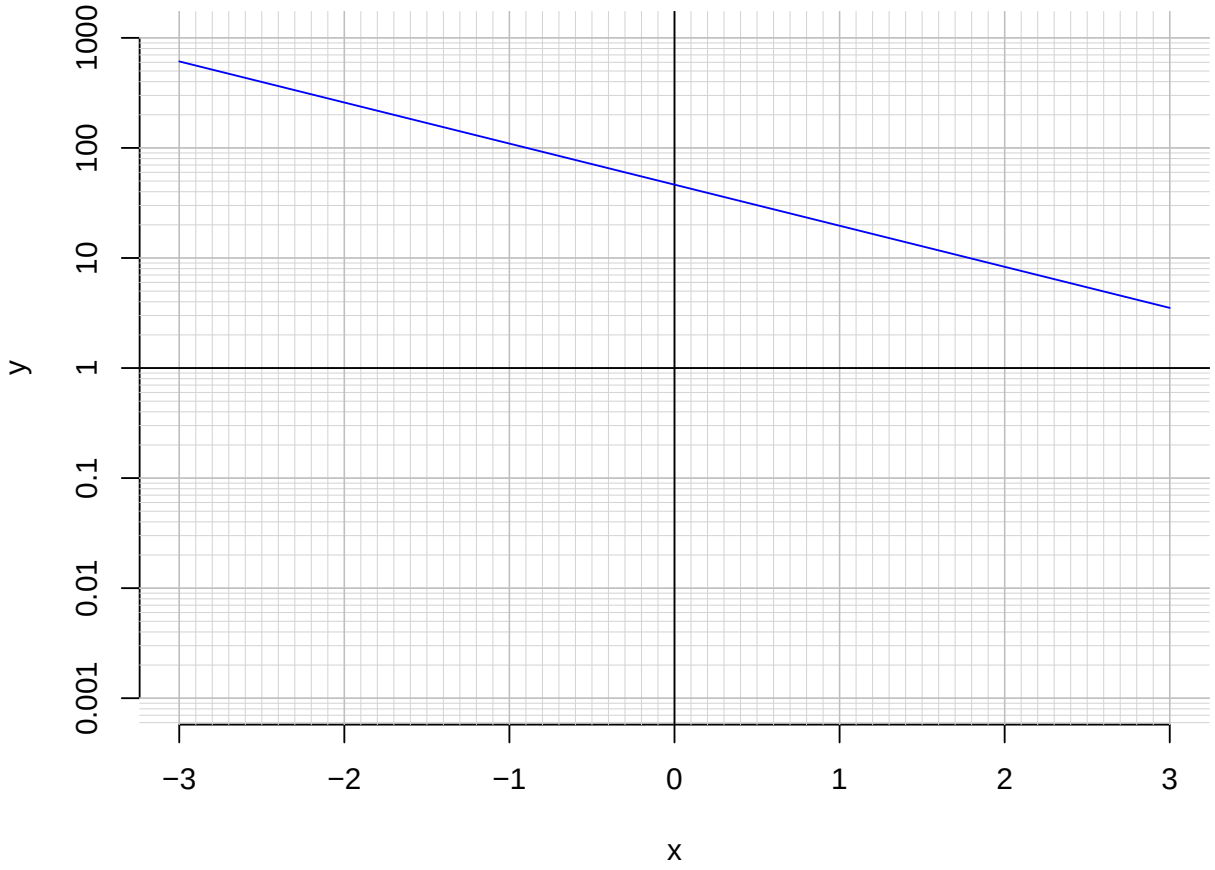
1. Graph $y = \log_2(x+5) - 4$ and $y = 2^{x+4} - 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$23 = \left(\frac{4}{5}\right) \cdot 2^{3t/7}$$

3. An exponential function $f(x) = 46.4 \cdot e^{-0.859x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.2)$.

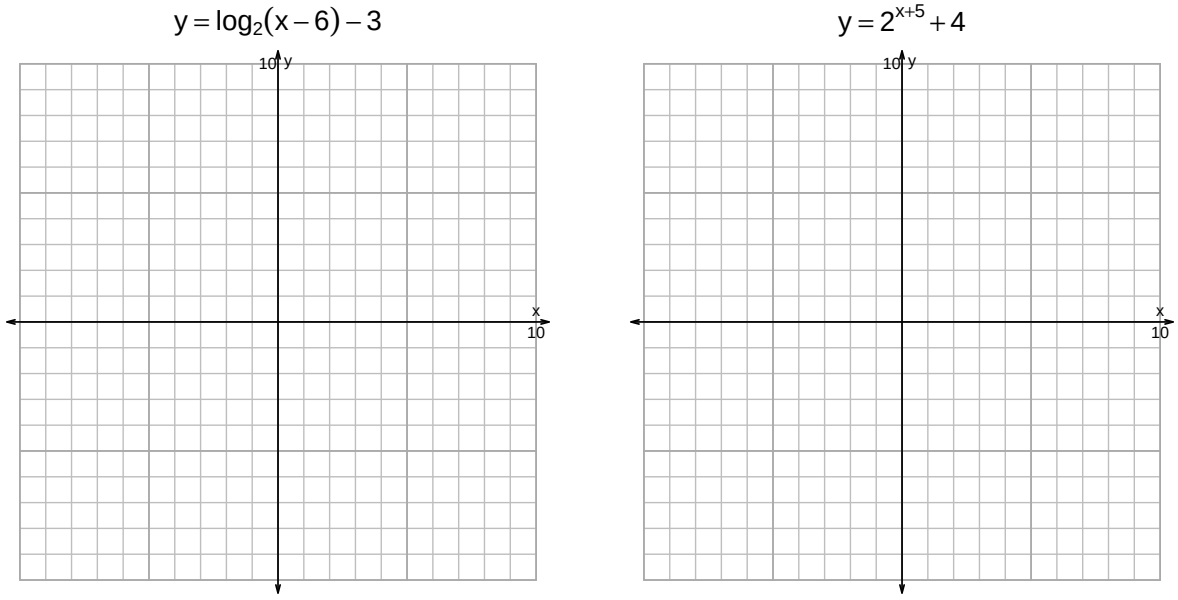
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(60)$.

Name: Date:

s18quiz: EXP LOG (Practice v115)

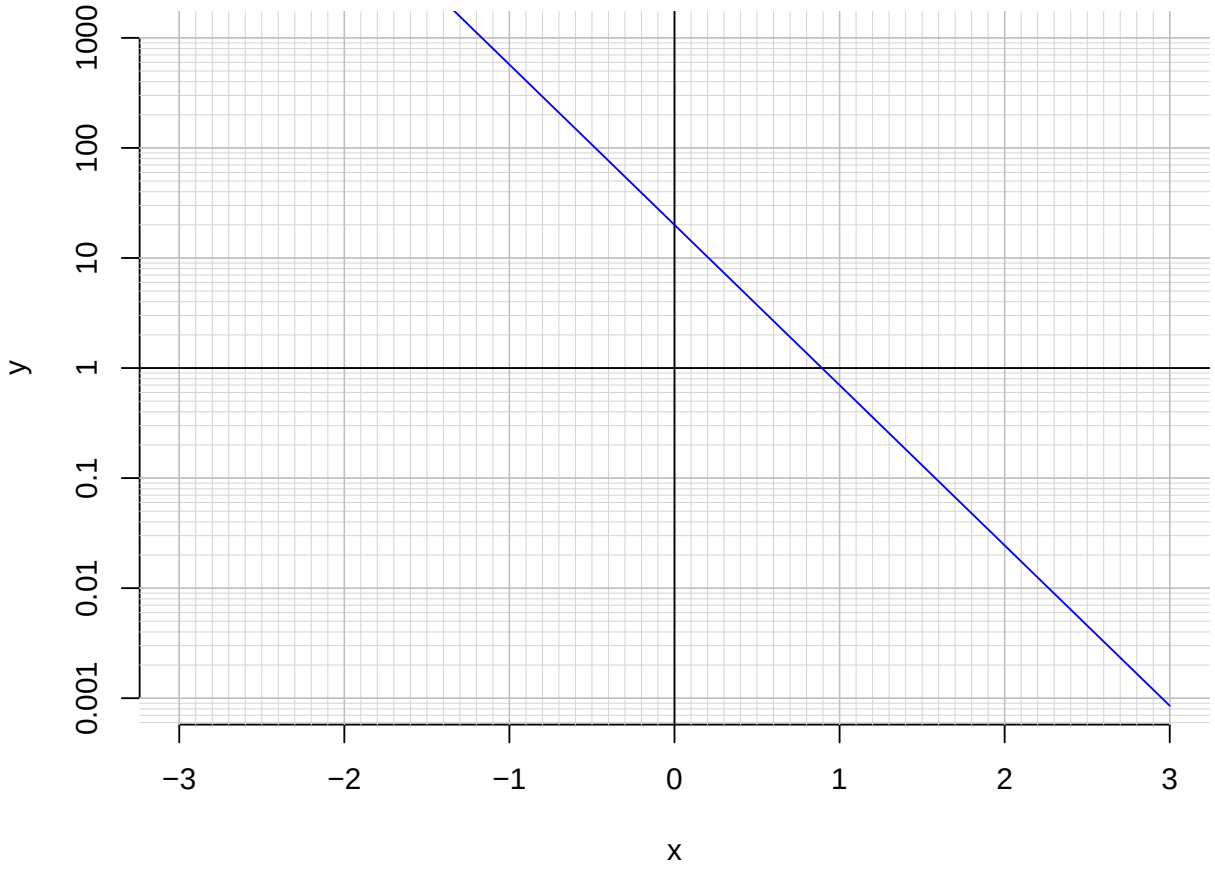
1. Graph $y = \log_2(x-6) - 3$ and $y = 2^{x+5} + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$23 = \left(\frac{4}{3}\right) \cdot 2^{7t/5}$$

3. An exponential function $f(x) = 20 \cdot e^{-3.35x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.1)$.

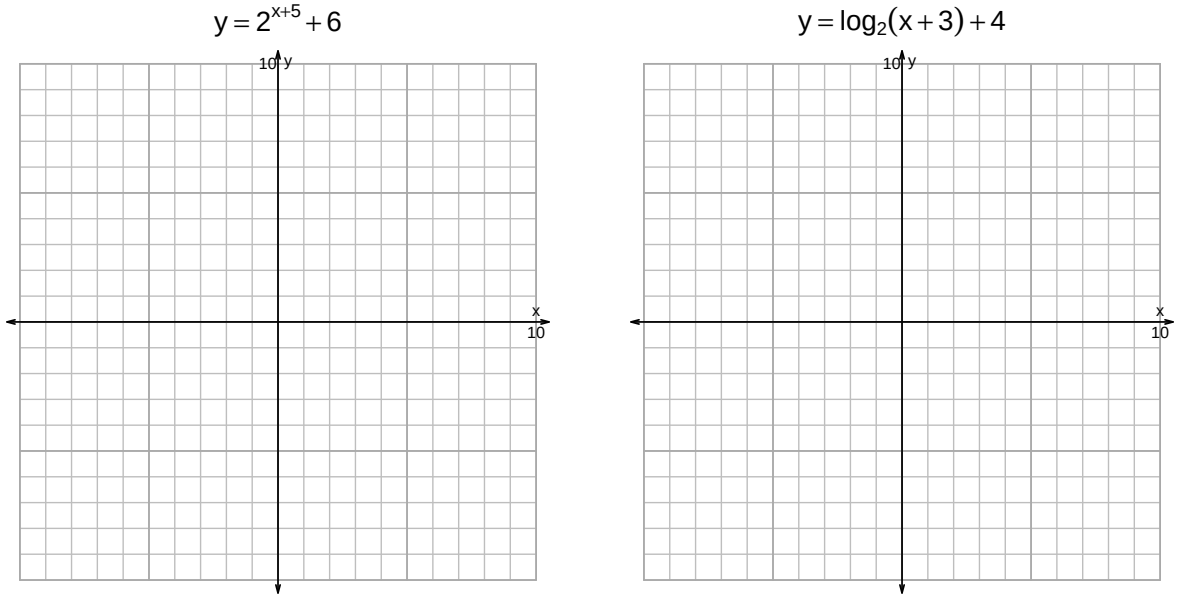
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(800)$.

Name: Date:

s18quiz: EXP LOG (Practice v116)

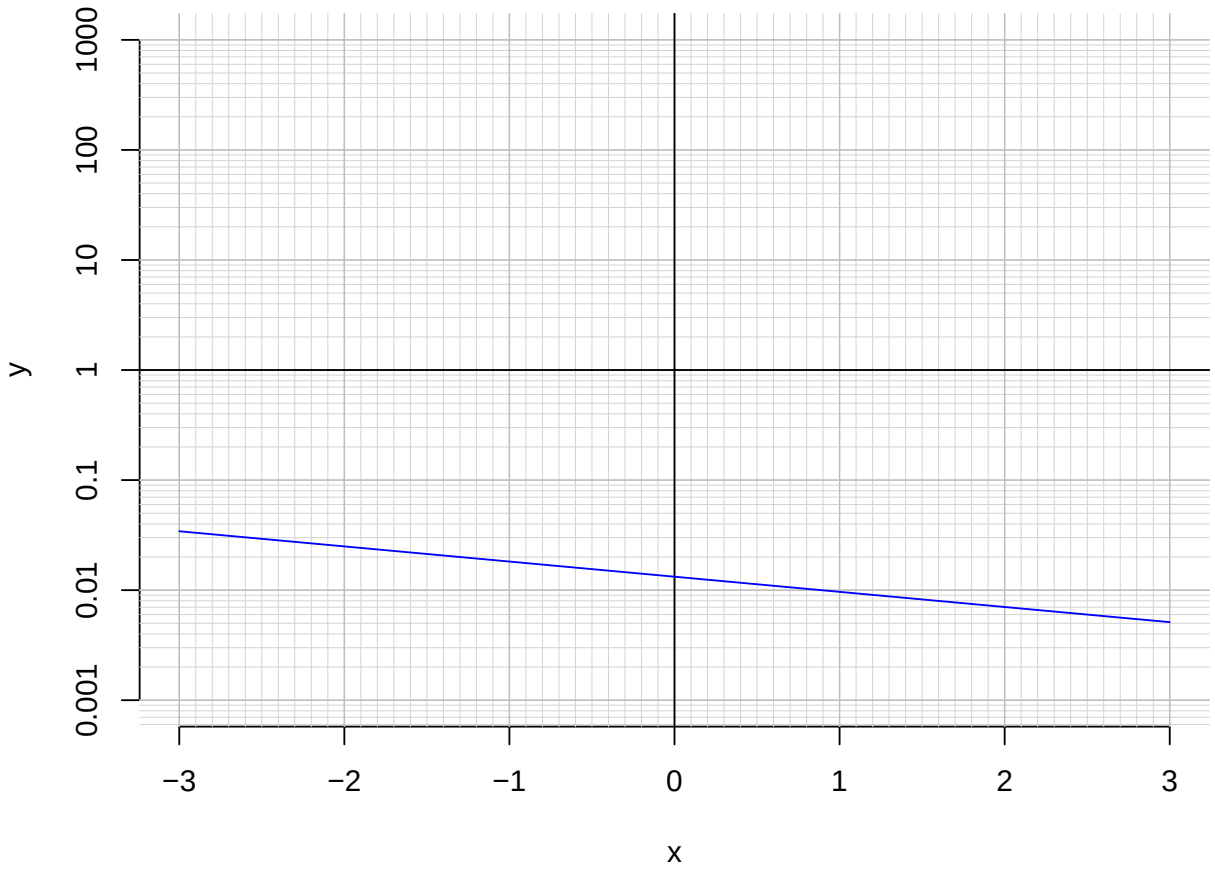
1. Graph $y = 2^{x+5} + 6$ and $y = \log_2(x+3) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$11 = \left(\frac{7}{5}\right) \cdot 10^{-3t/4}$$

3. An exponential function $f(x) = 0.0132 \cdot e^{-0.317x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.3)$.

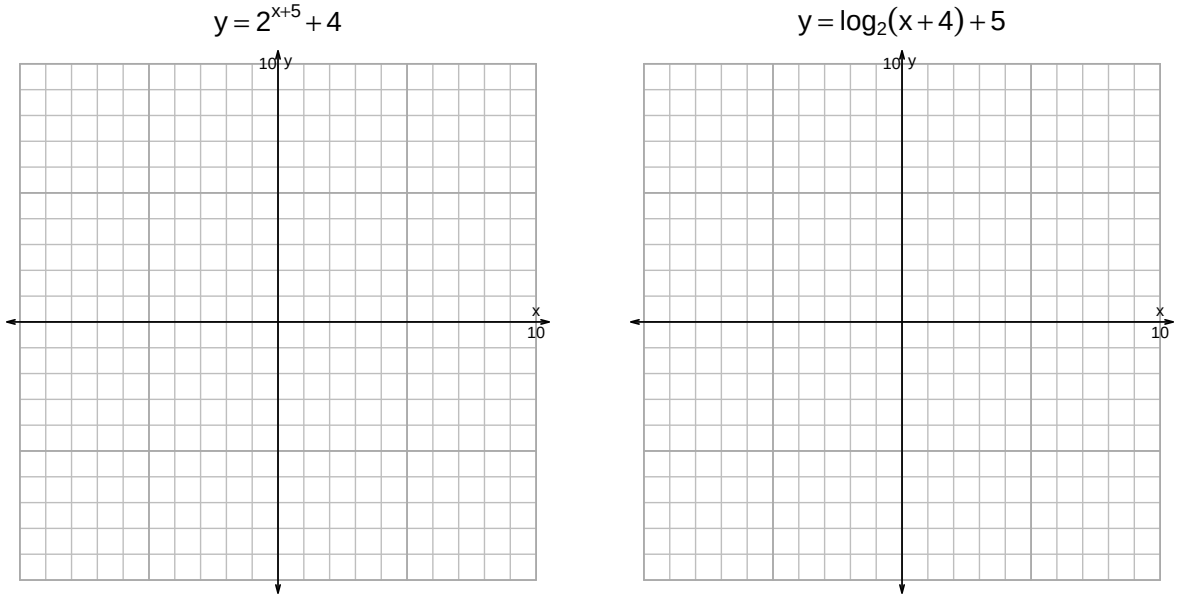
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.006)$.

Name: Date:

s18quiz: EXP LOG (Practice v117)

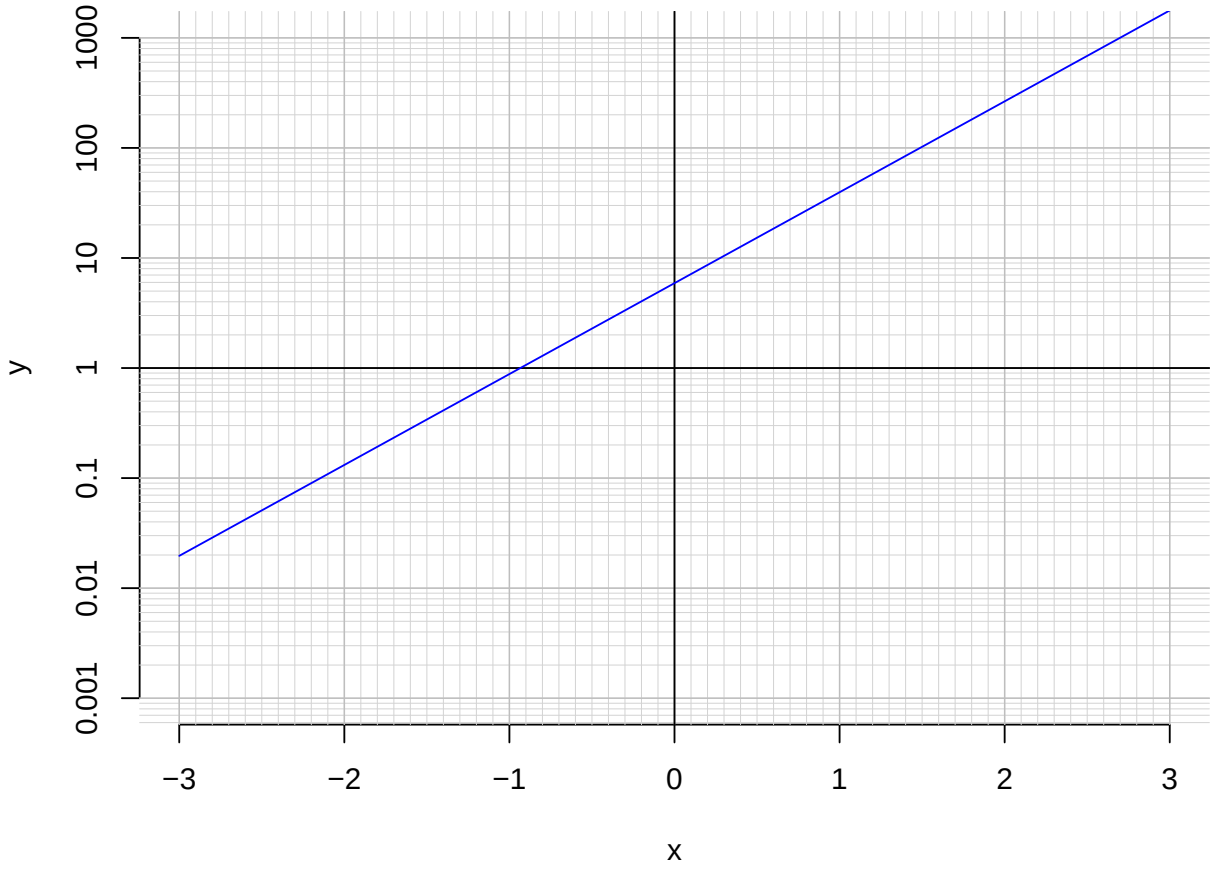
1. Graph $y = 2^{x+5} + 4$ and $y = \log_2(x + 4) + 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$19 = \left(\frac{4}{3}\right) \cdot 2^{7t/5}$$

3. An exponential function $f(x) = 5.91 \cdot e^{1.9x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-2.2)$.

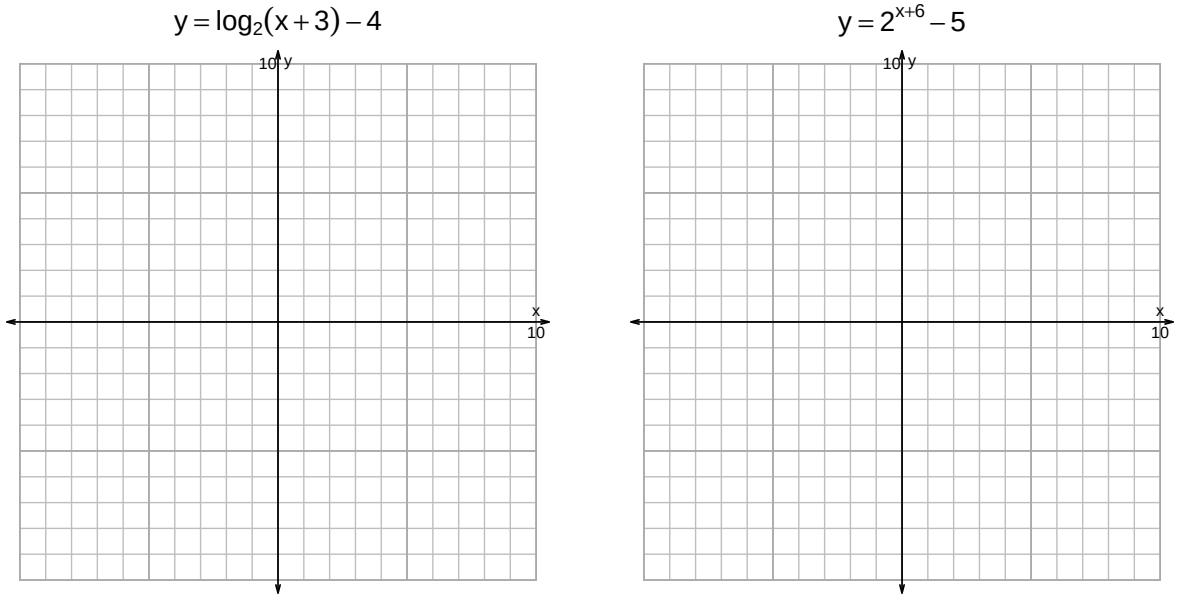
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(70)$.

Name: Date:

s18quiz: EXP LOG (Practice v118)

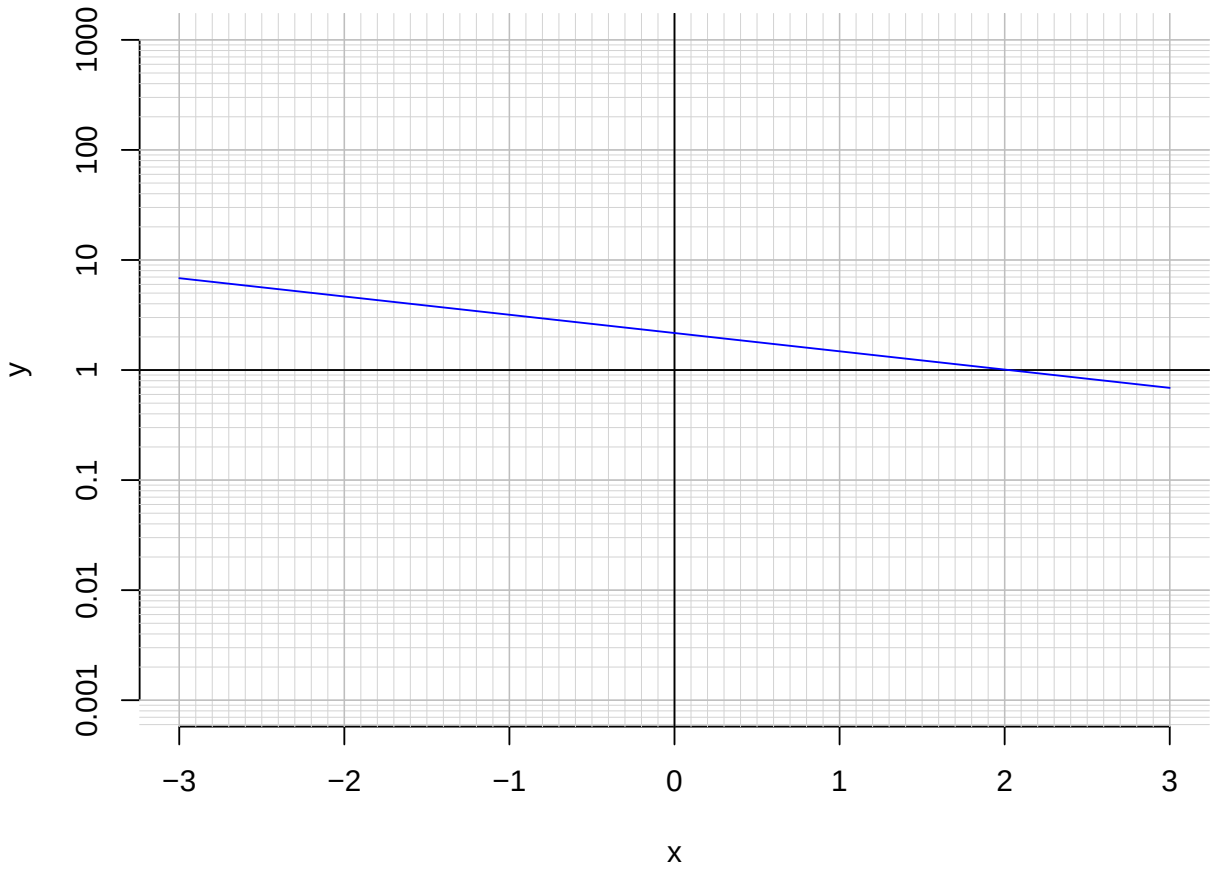
1. Graph $y = \log_2(x+3) - 4$ and $y = 2^{x+6} - 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$23 = \left(\frac{3}{5}\right) \cdot 10^{-4t/7}$$

3. An exponential function $f(x) = 2.17 \cdot e^{-0.382x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.6)$.

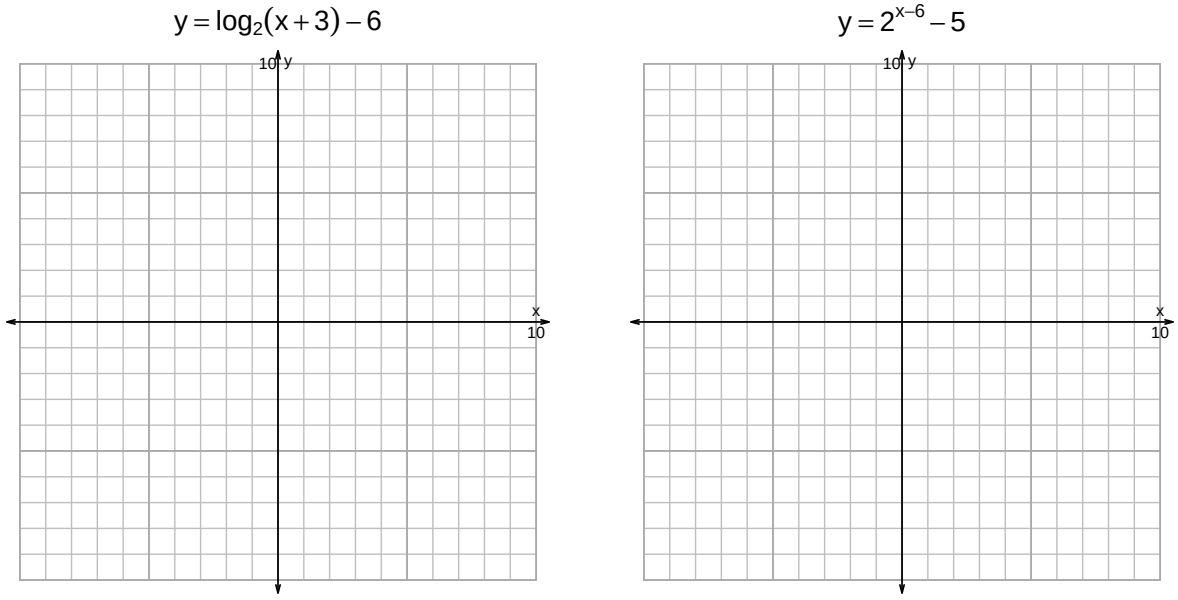
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.9)$.

Name: Date:

s18quiz: EXP LOG (Practice v119)

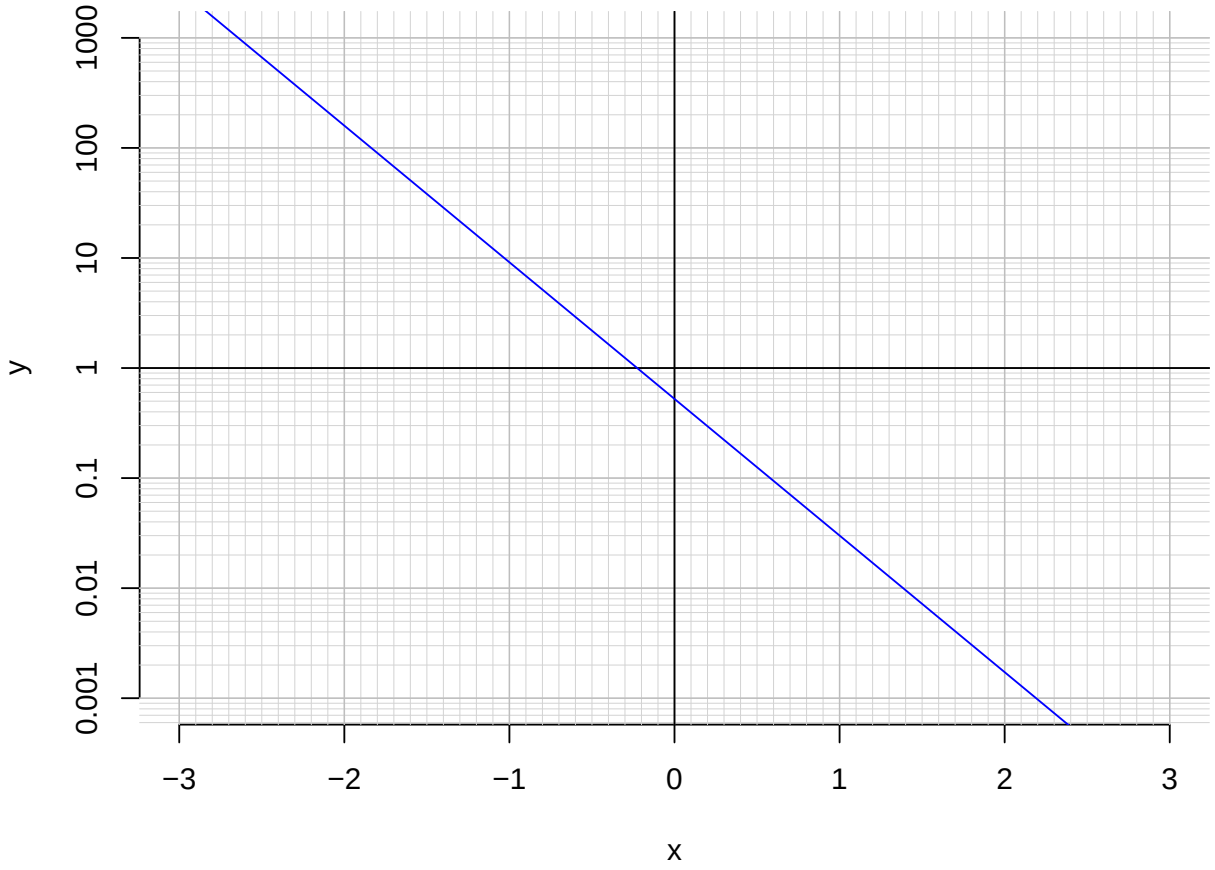
1. Graph $y = \log_2(x+3) - 6$ and $y = 2^{x-6} - 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-13 = \left(\frac{-7}{4}\right) \cdot 2^{3t/5}$$

3. An exponential function $f(x) = 0.524 \cdot e^{-2.86x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(0.9)$.

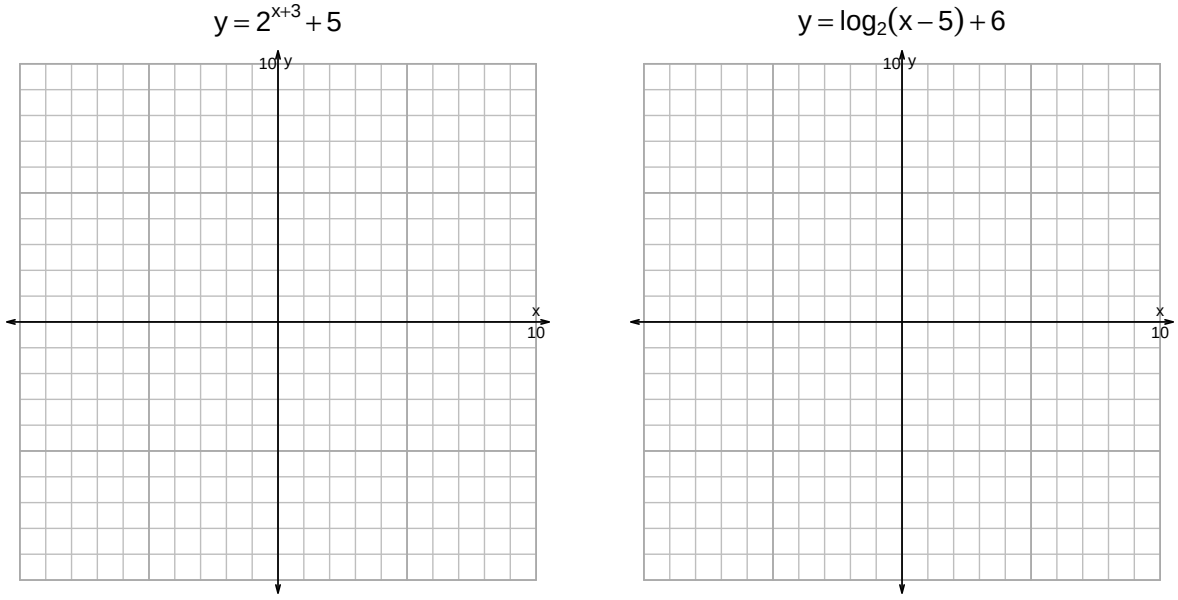
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(500)$.

Name: Date:

s18quiz: EXP LOG (Practice v120)

1. Graph $y = 2^{x+3} + 5$ and $y = \log_2(x-5) + 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$19 = \left(\frac{3}{5}\right) \cdot 10^{-4t/7}$$

3. An exponential function $f(x) = 19 \cdot e^{-0.65x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(-0.7)$.

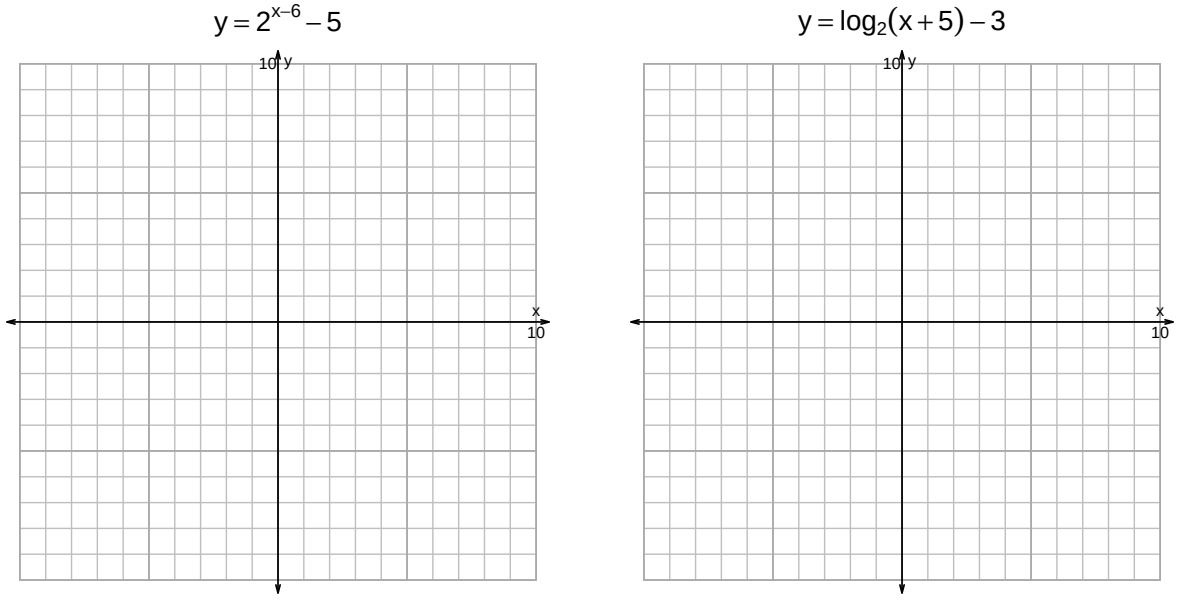
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(4)$.

Name: Date:

s18quiz: EXP LOG (Practice v121)

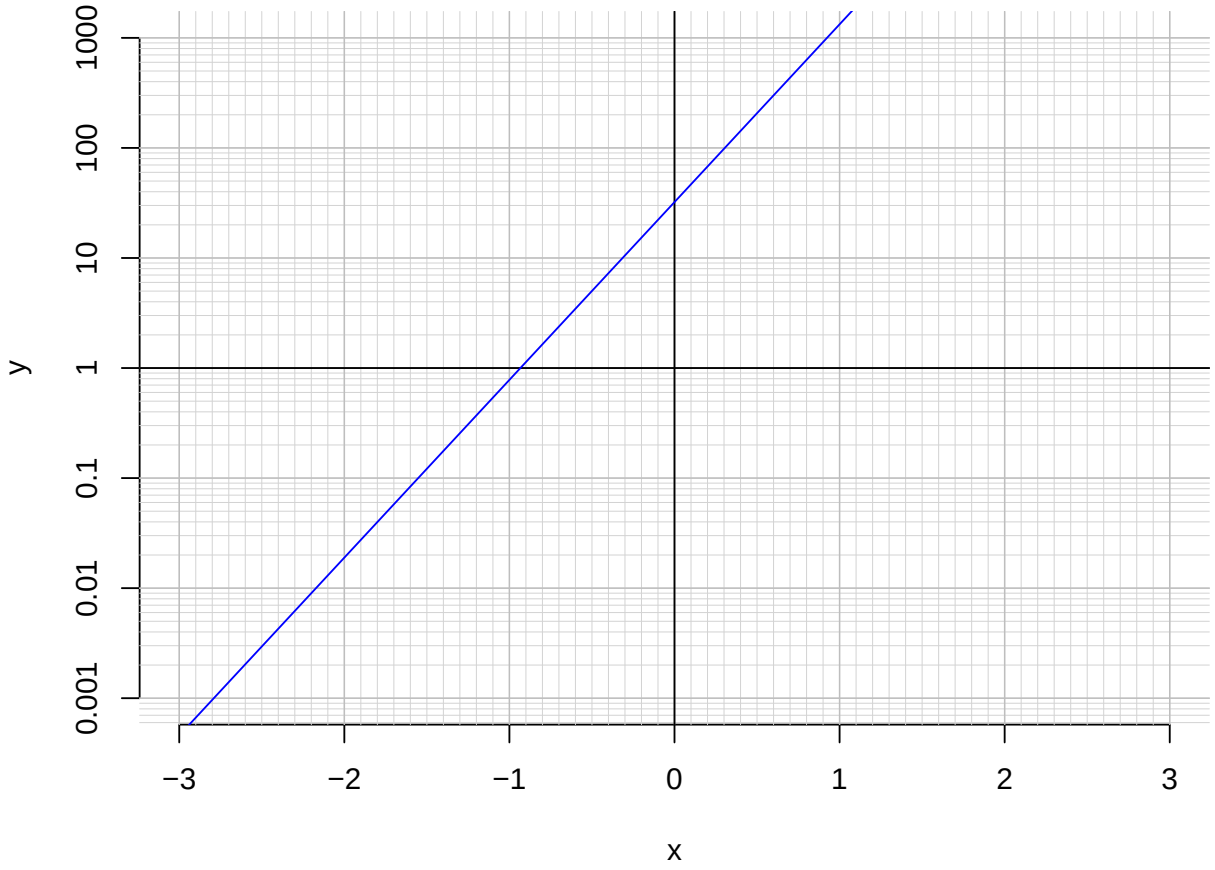
1. Graph $y = 2^{x-6} - 5$ and $y = \log_2(x+5) - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$13 = \left(\frac{3}{4}\right) \cdot 10^{-5t/7}$$

3. An exponential function $f(x) = 32.2 \cdot e^{3.72x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(0.6)$.

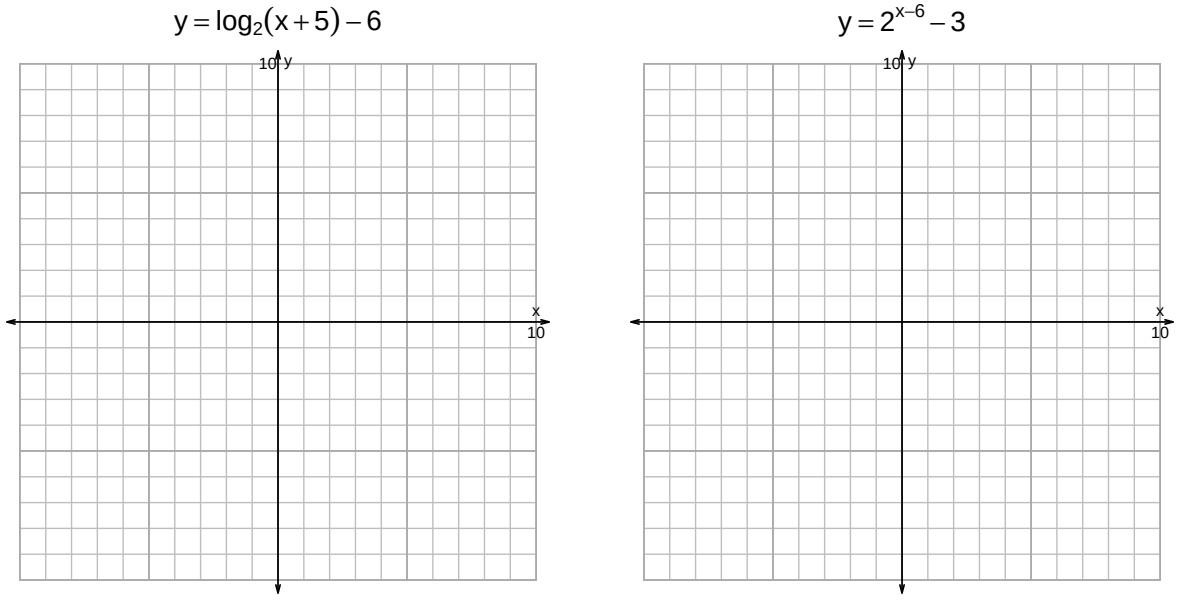
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.009)$.

Name: Date:

s18quiz: EXP LOG (Practice v122)

1. Graph $y = \log_2(x+5) - 6$ and $y = 2^{x-6} - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-19 = \left(\frac{-5}{4}\right) \cdot 2^{3t/7}$$

3. An exponential function $f(x) = 1.83 \cdot e^{-1.26x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(2.6)$.

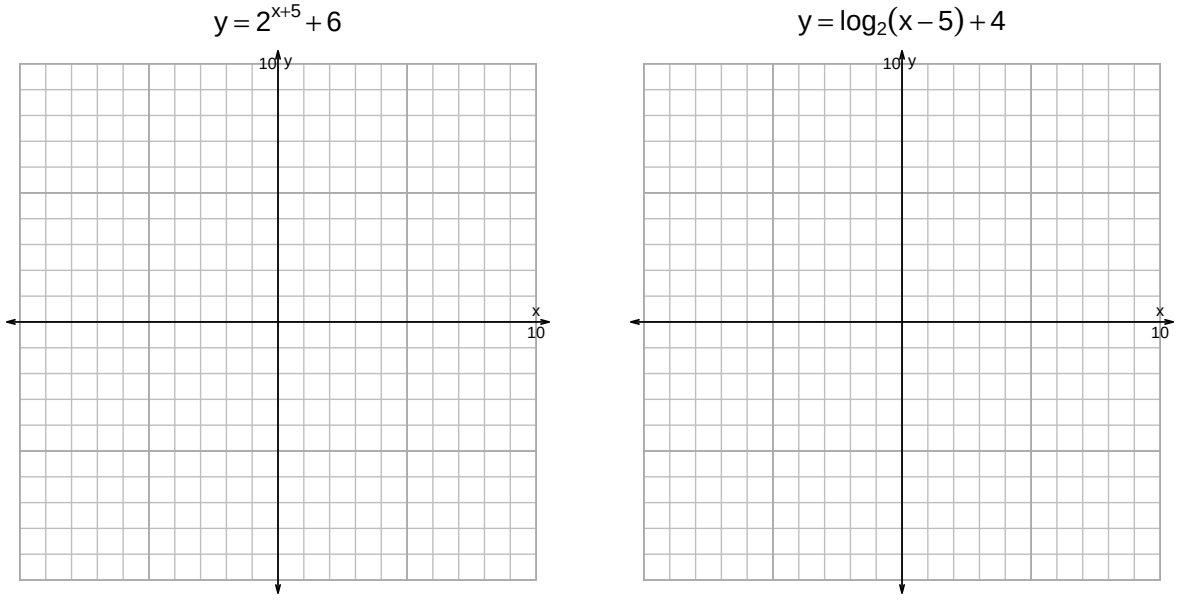
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(5)$.

Name: Date:

s18quiz: EXP LOG (Practice v123)

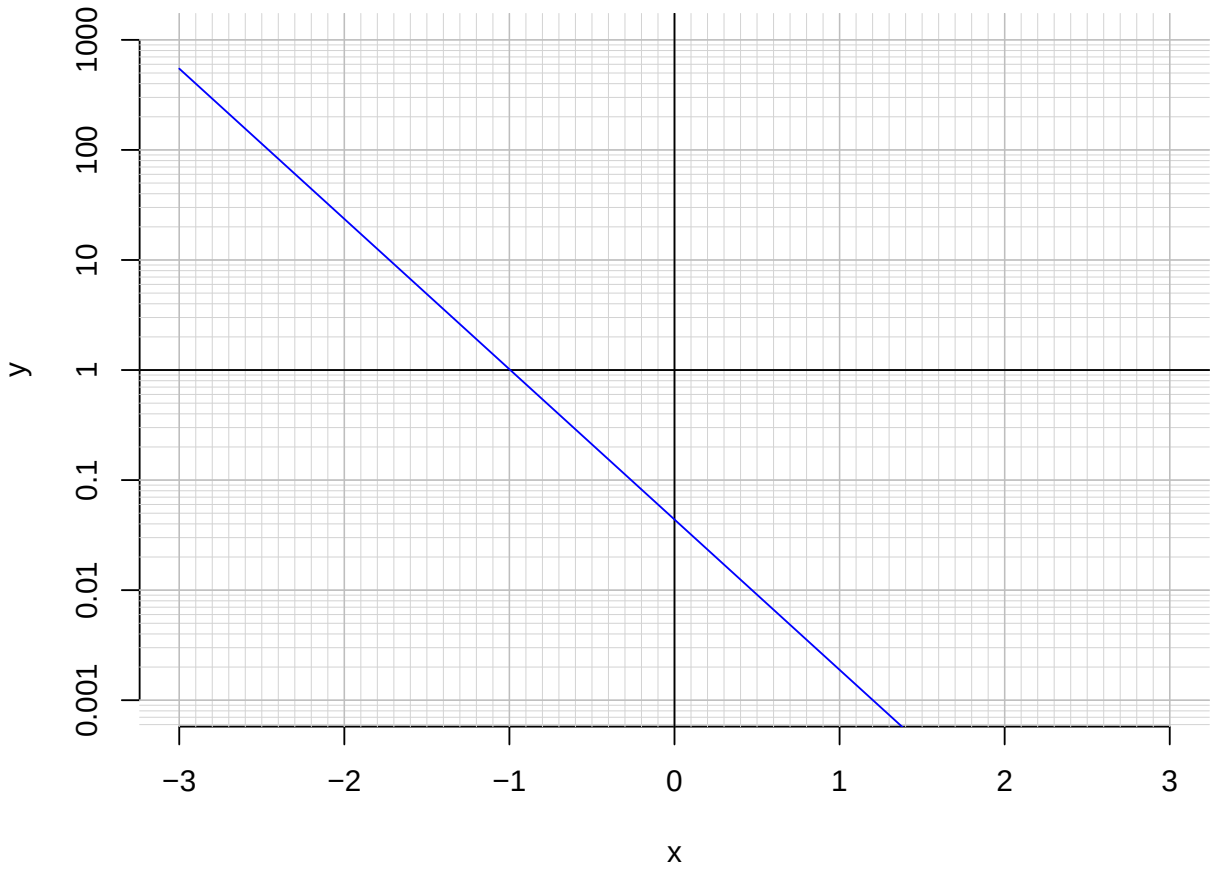
1. Graph $y = 2^{x+5} + 6$ and $y = \log_2(x-5) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-17 = \left(\frac{-4}{7}\right) \cdot 10^{3t/5}$$

3. An exponential function $f(x) = 0.0438 \cdot e^{-3.14x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.1)$.

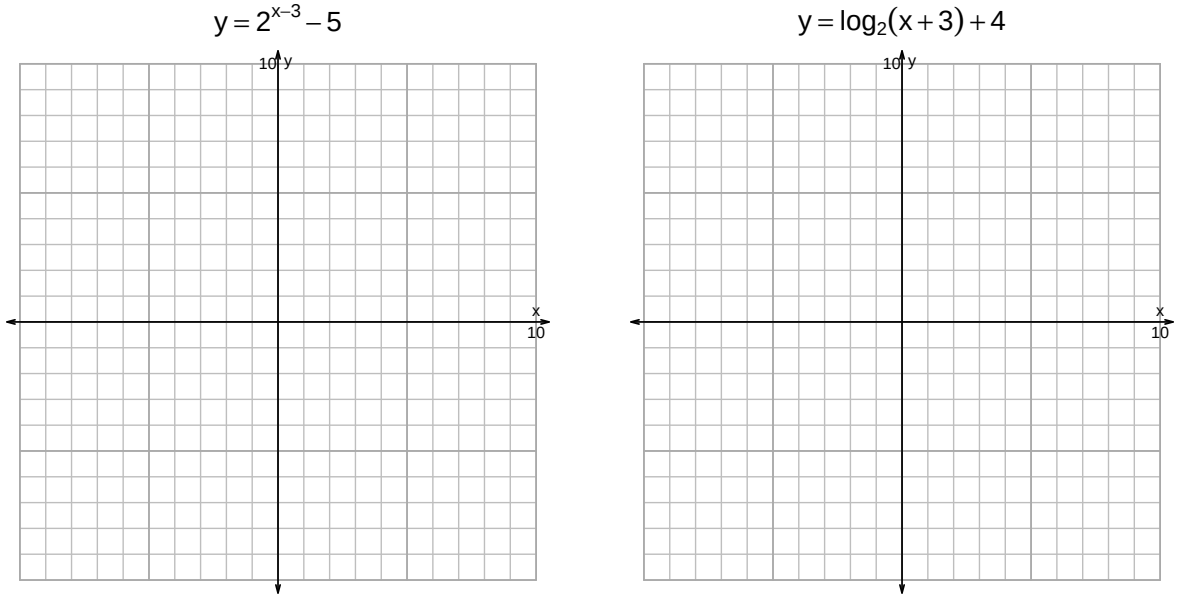
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(400)$.

Name: Date:

s18quiz: EXP LOG (Practice v124)

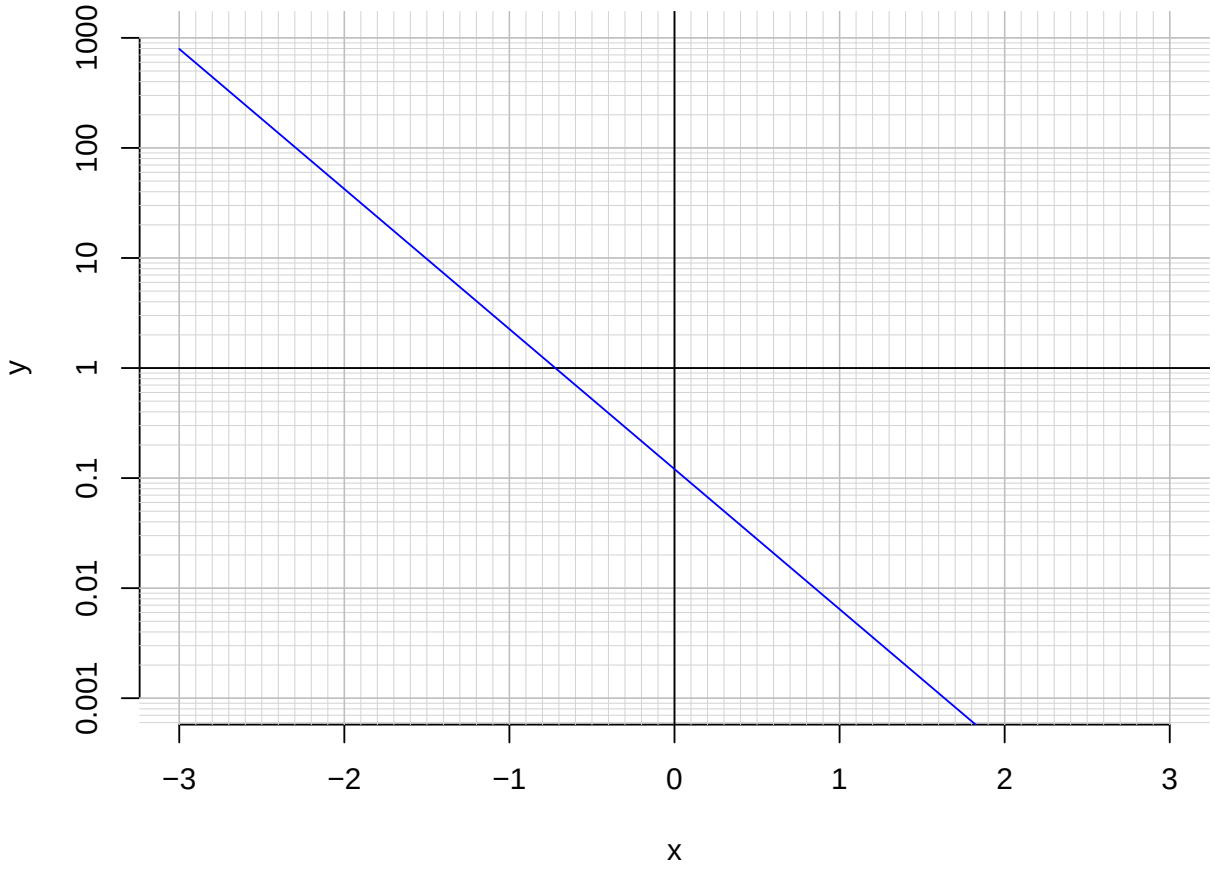
1. Graph $y = 2^{x-3} - 5$ and $y = \log_2(x+3) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$13 = \left(\frac{7}{4}\right) \cdot 2^{5t/3}$$

3. An exponential function $f(x) = 0.121 \cdot e^{-2.93x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.6)$.

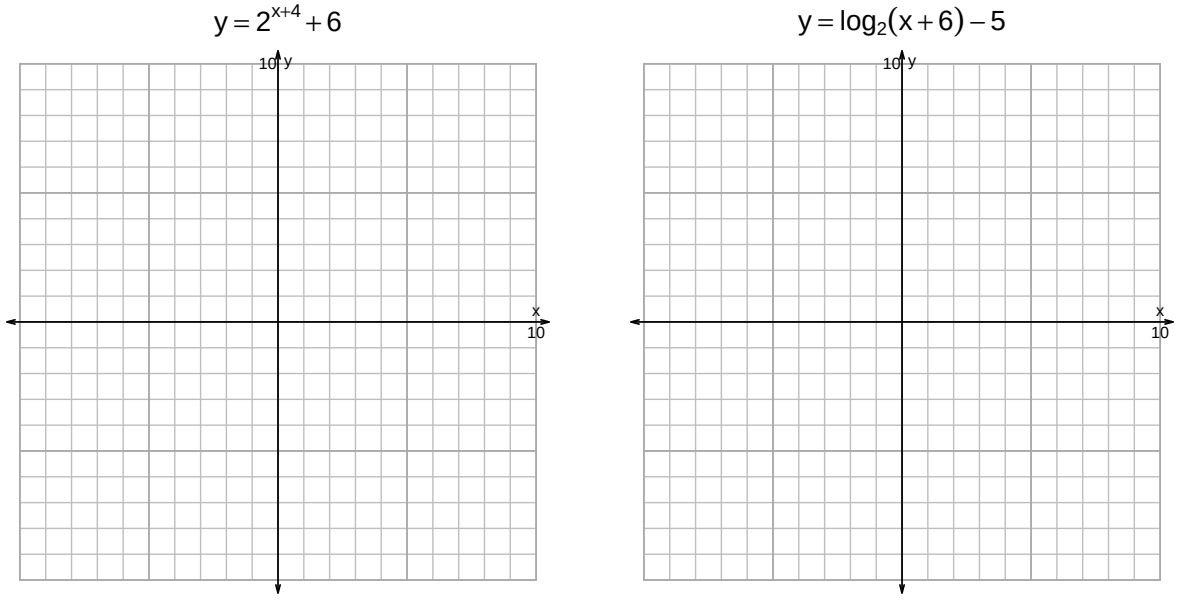
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.09)$.

Name: Date:

s18quiz: EXP LOG (Practice v125)

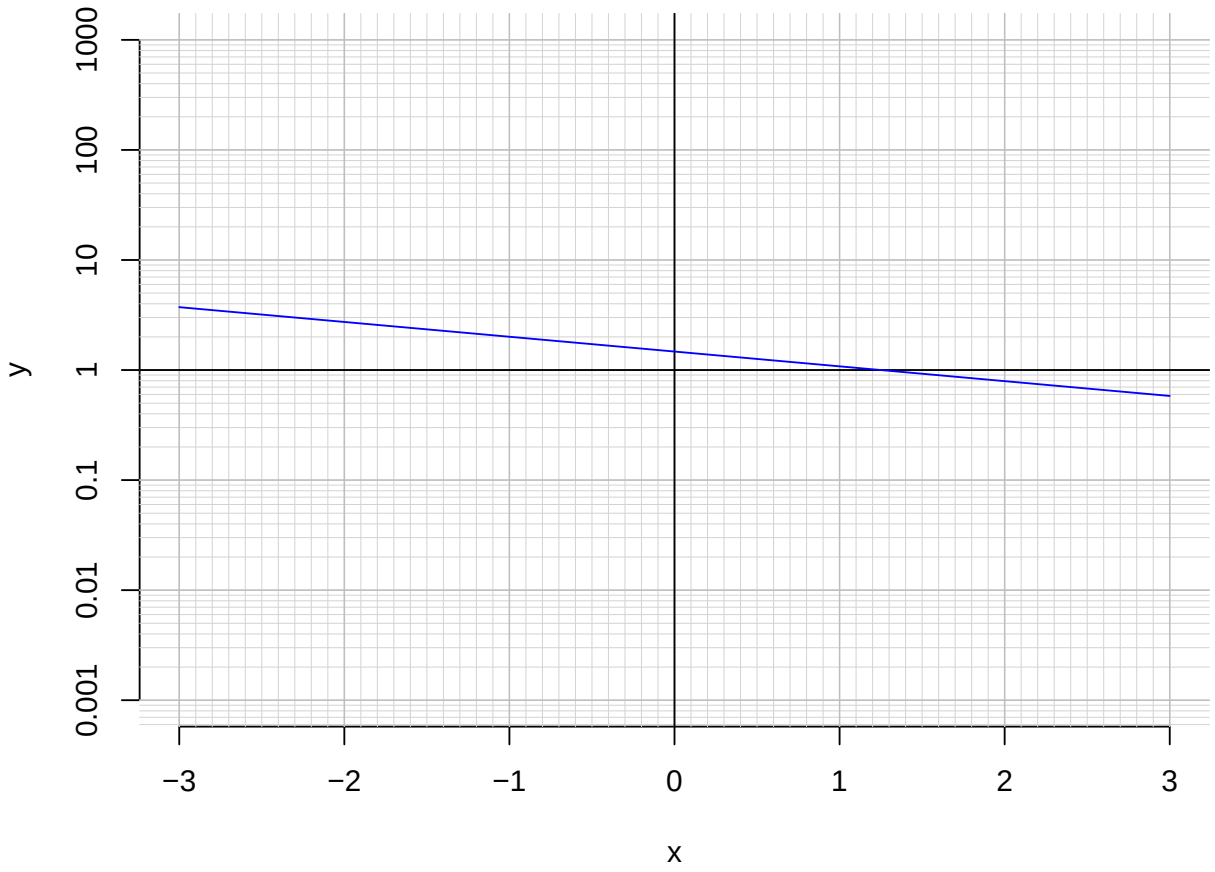
1. Graph $y = 2^{x+4} + 6$ and $y = \log_2(x + 6) - 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-13 = \left(\frac{-3}{5}\right) \cdot 10^{-7t/4}$$

3. An exponential function $f(x) = 1.47 \cdot e^{-0.31x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.9)$.

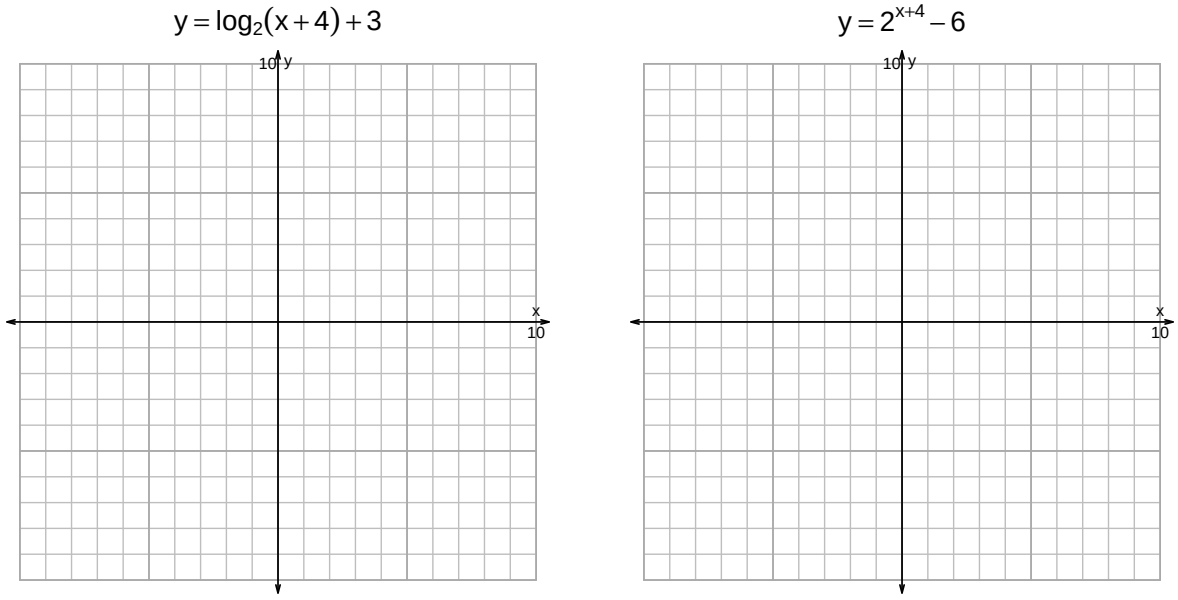
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(3)$.

Name: Date:

s18quiz: EXP LOG (Practice v126)

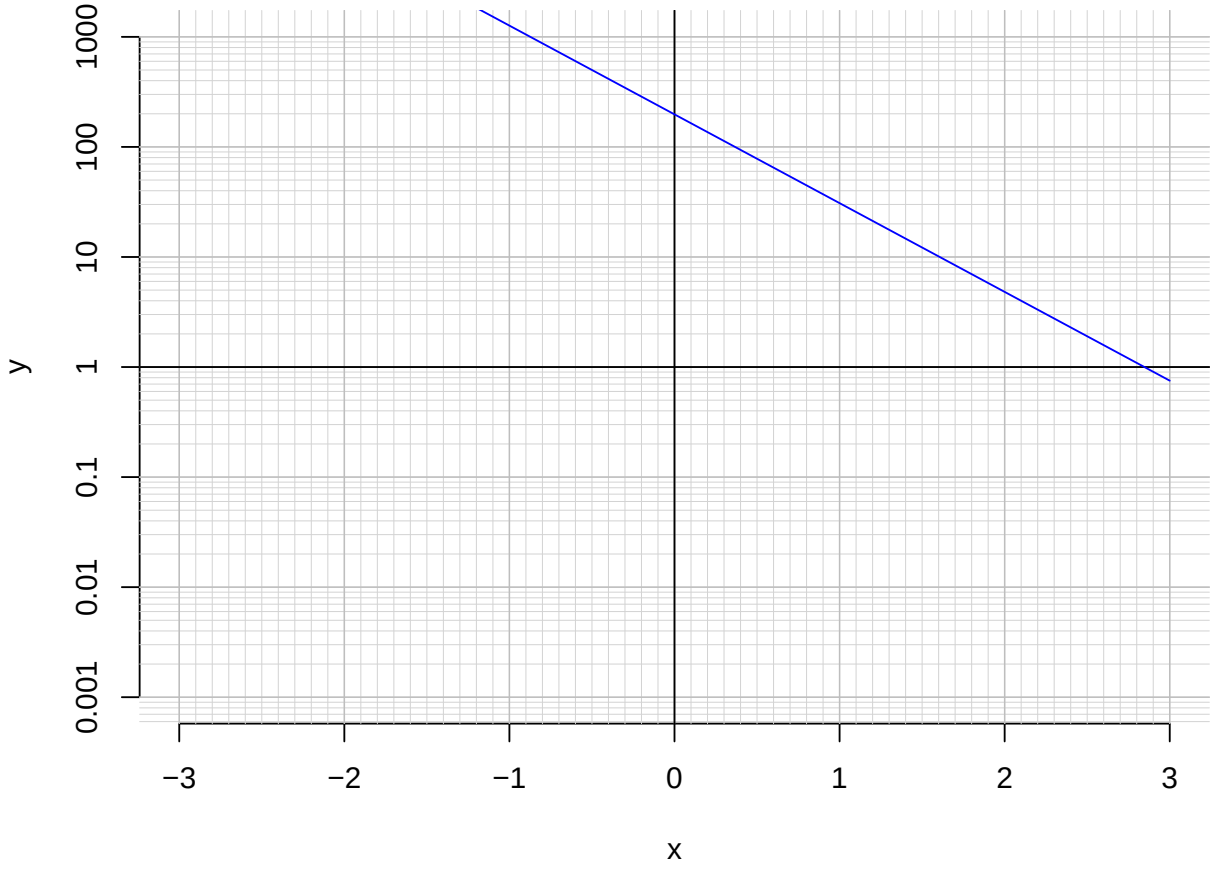
1. Graph $y = \log_2(x+4)+3$ and $y = 2^{x+4} - 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$13 = \left(\frac{4}{3}\right) \cdot 10^{7t/5}$$

3. An exponential function $f(x) = 198 \cdot e^{-1.86x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.1)$.

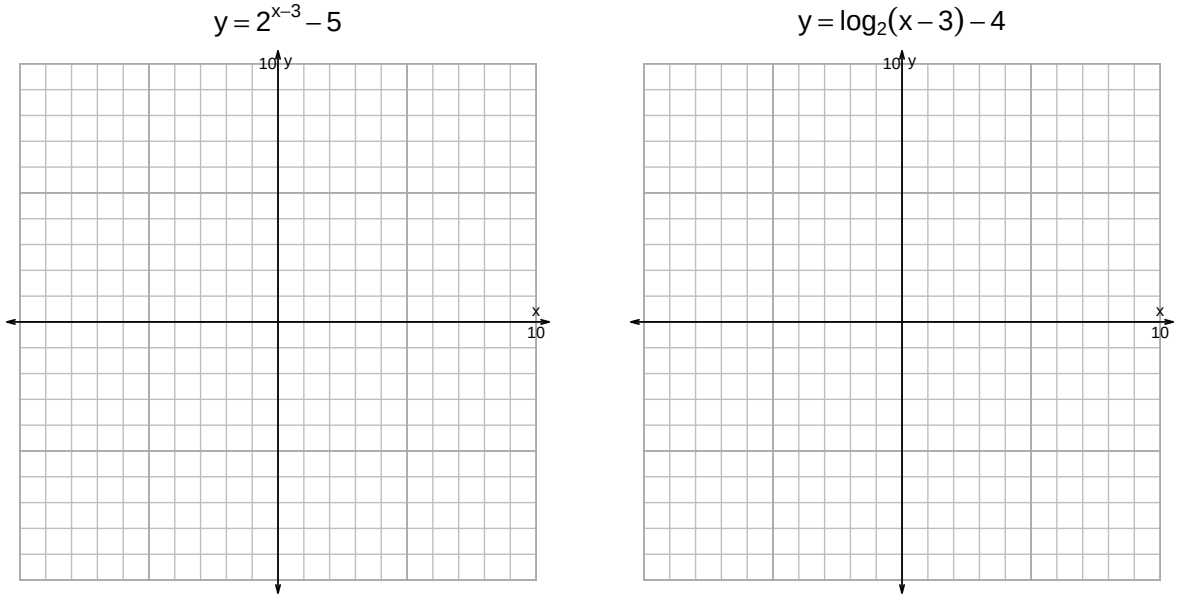
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(500)$.

Name: Date:

s18quiz: EXP LOG (Practice v127)

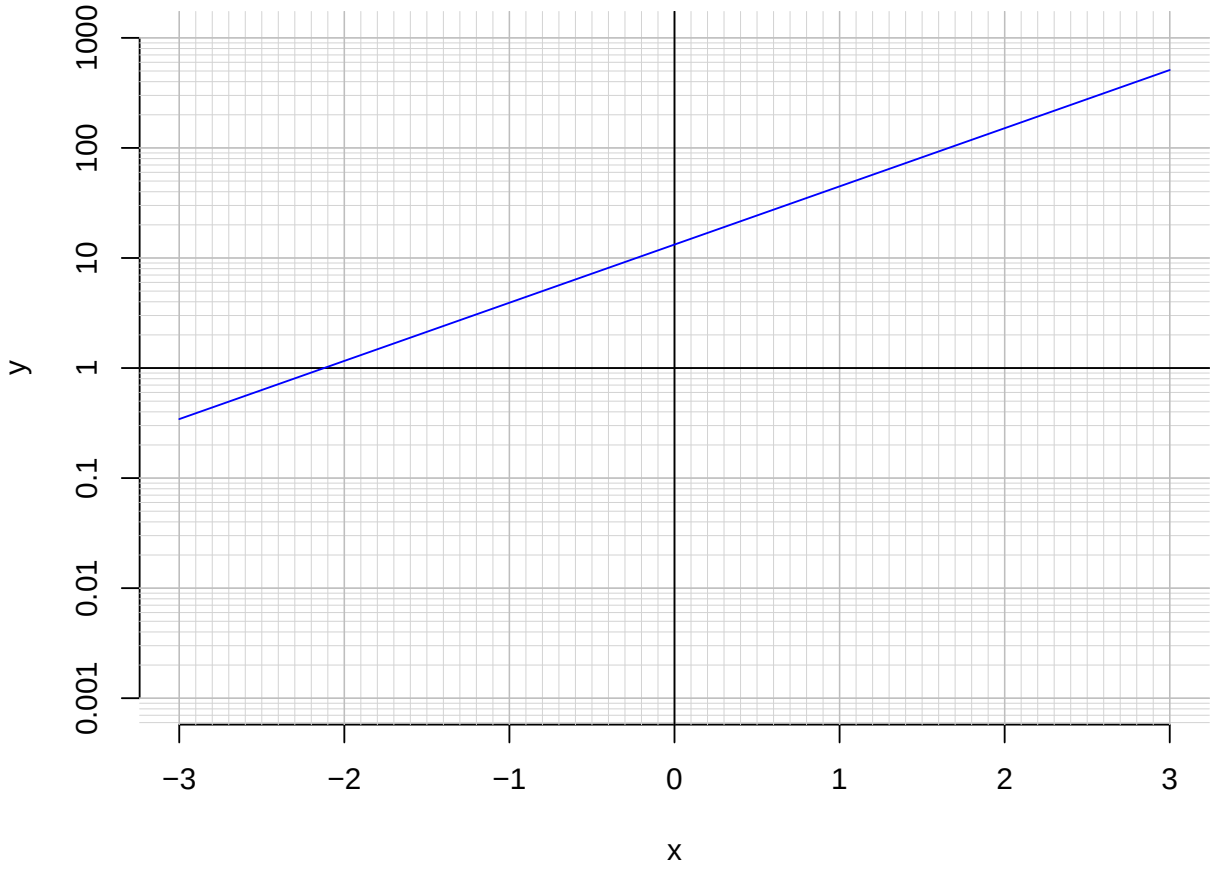
1. Graph $y = 2^{x-3} - 5$ and $y = \log_2(x-3) - 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$11 = \left(\frac{4}{5}\right) \cdot 2^{3t/7}$$

3. An exponential function $f(x) = 13.2 \cdot e^{1.22x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.8)$.

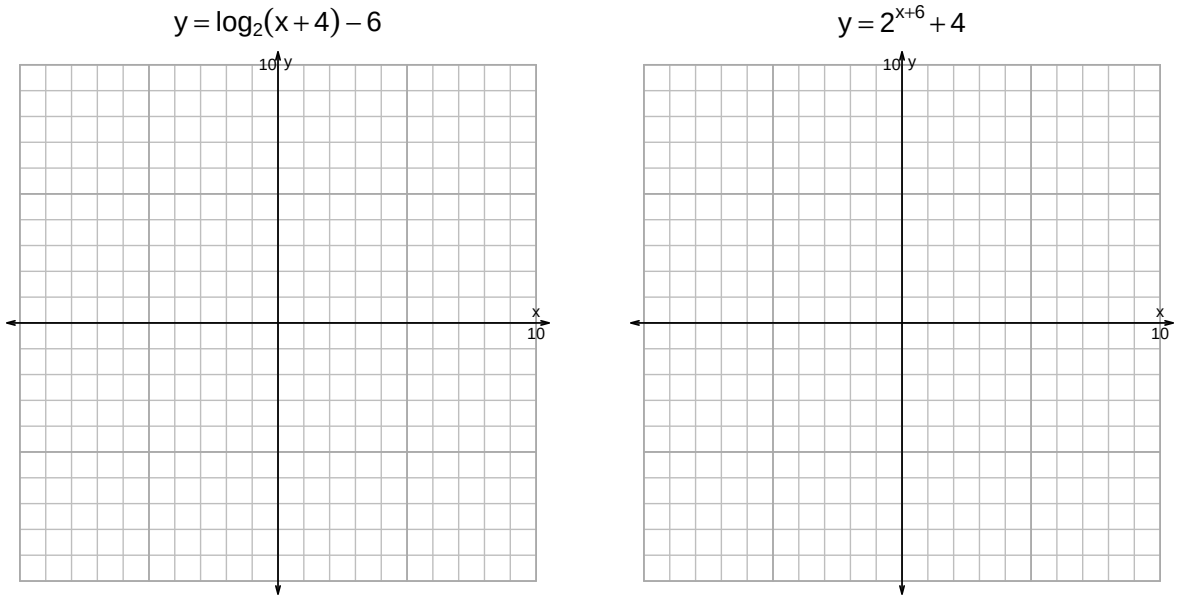
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(5)$.

Name: Date:

s18quiz: EXP LOG (Practice v128)

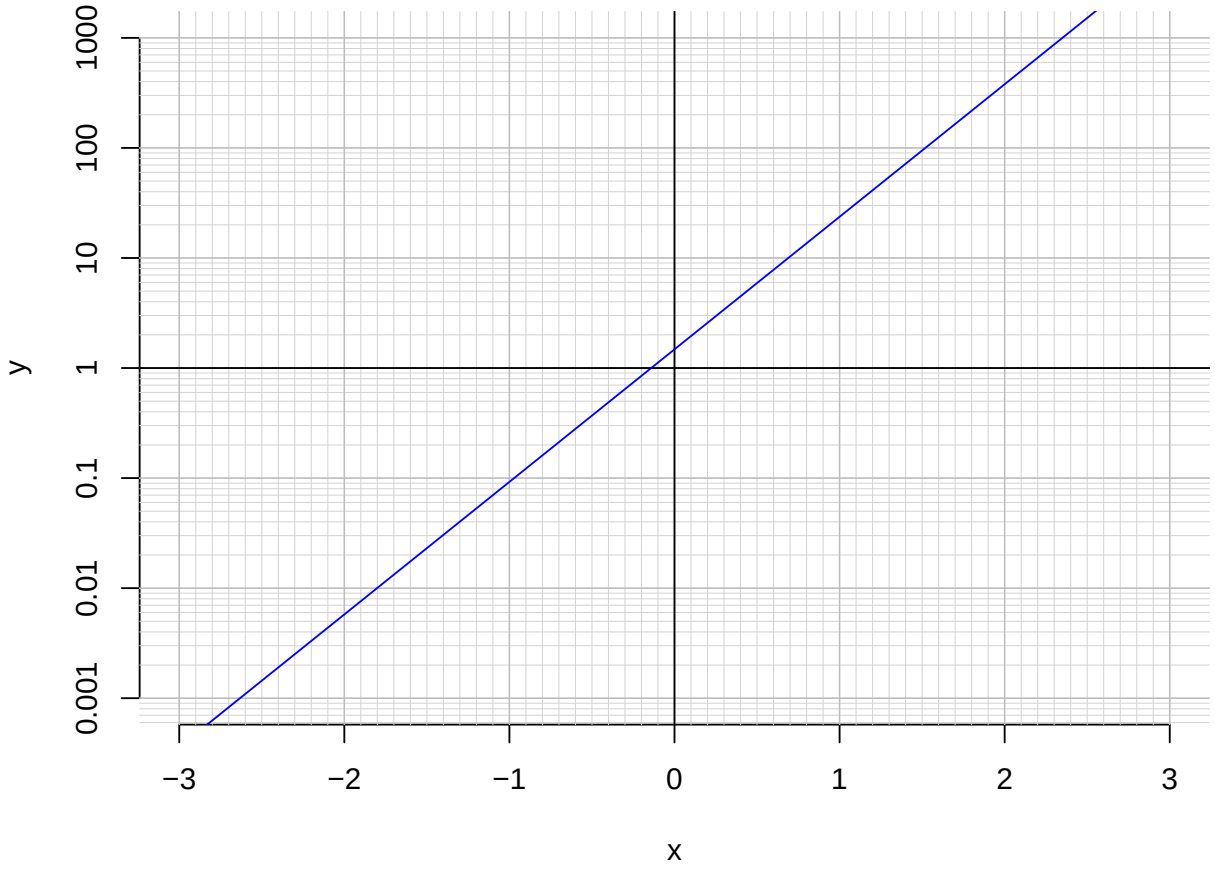
1. Graph $y = \log_2(x+4) - 6$ and $y = 2^{x+6} + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$13 = \left(\frac{7}{5}\right) \cdot 2^{-4t/3}$$

3. An exponential function $f(x) = 1.48 \cdot e^{2.77x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.1)$.

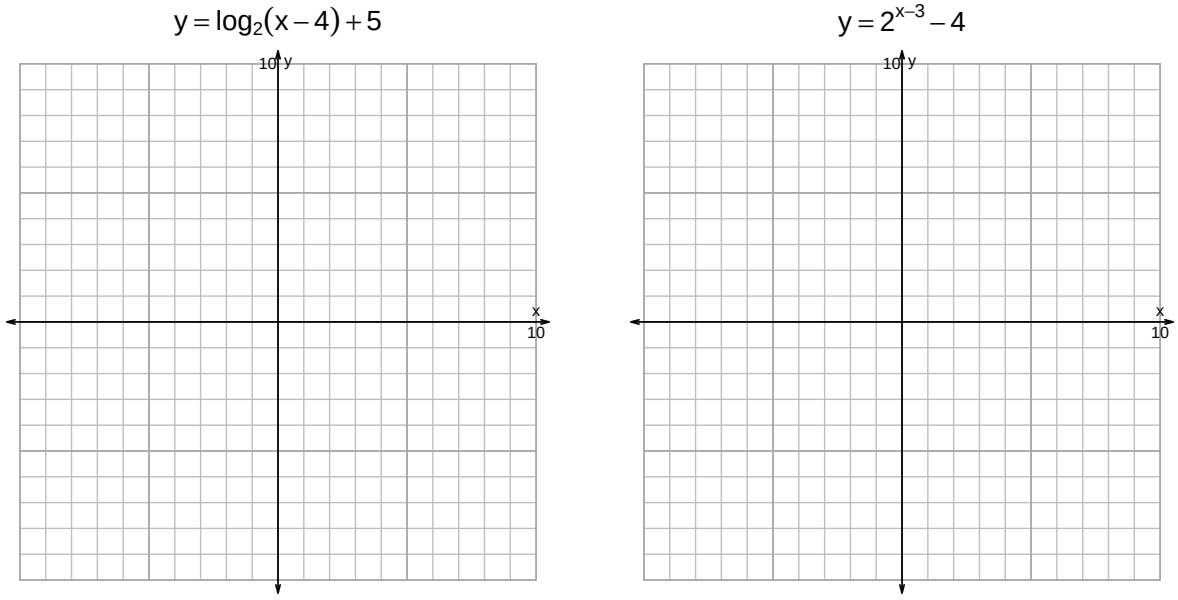
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.07)$.

Name: Date:

s18quiz: EXP LOG (Practice v129)

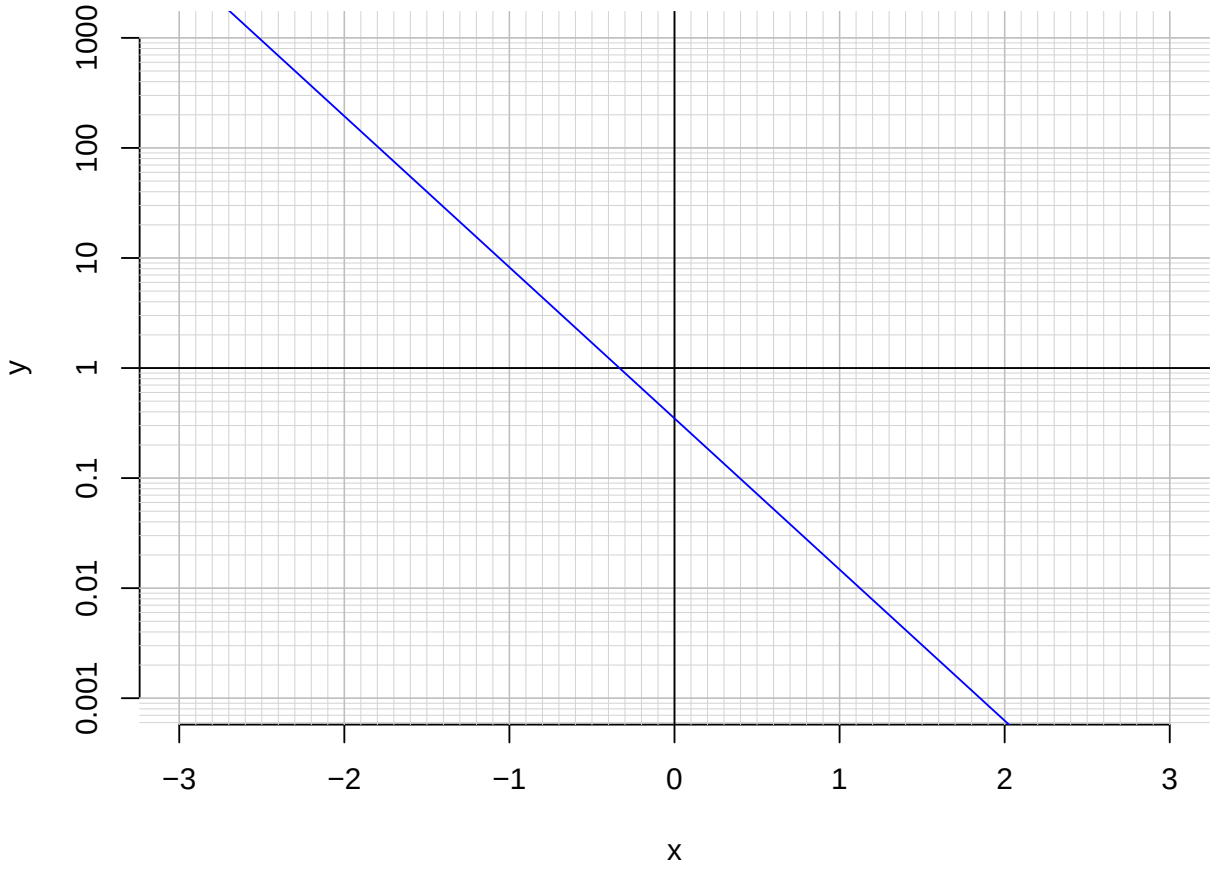
1. Graph $y = \log_2(x-4)+5$ and $y = 2^{x-3}-4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-11 = \left(\frac{-5}{4}\right) \cdot 2^{3t/7}$$

3. An exponential function $f(x) = 0.349 \cdot e^{-3.16x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.9)$.

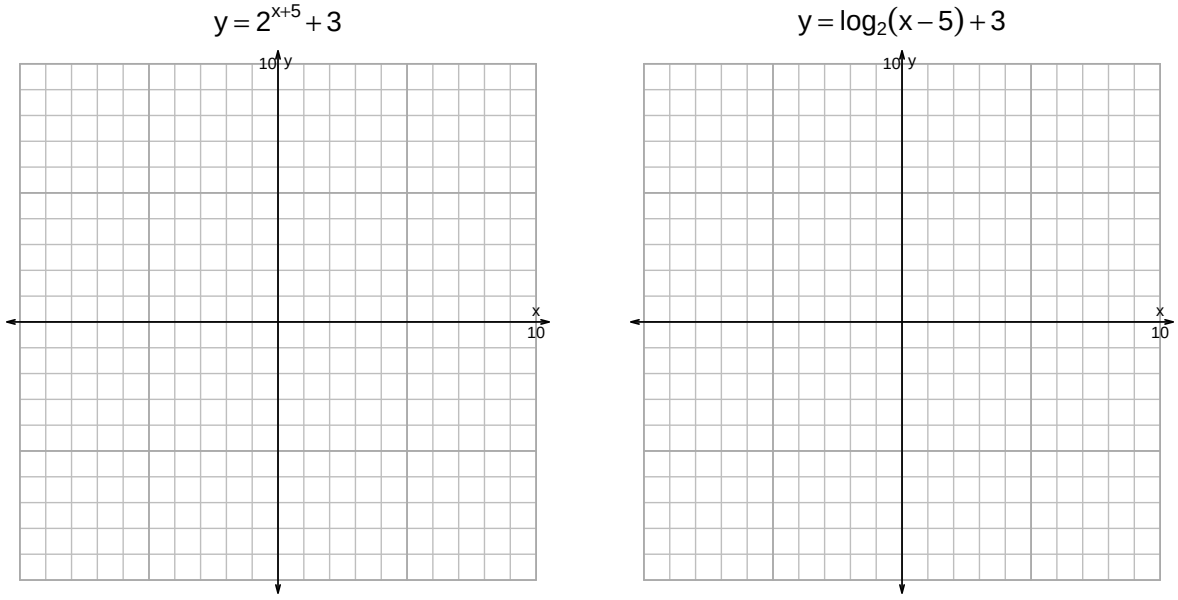
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(40)$.

Name: Date:

s18quiz: EXP LOG (Practice v130)

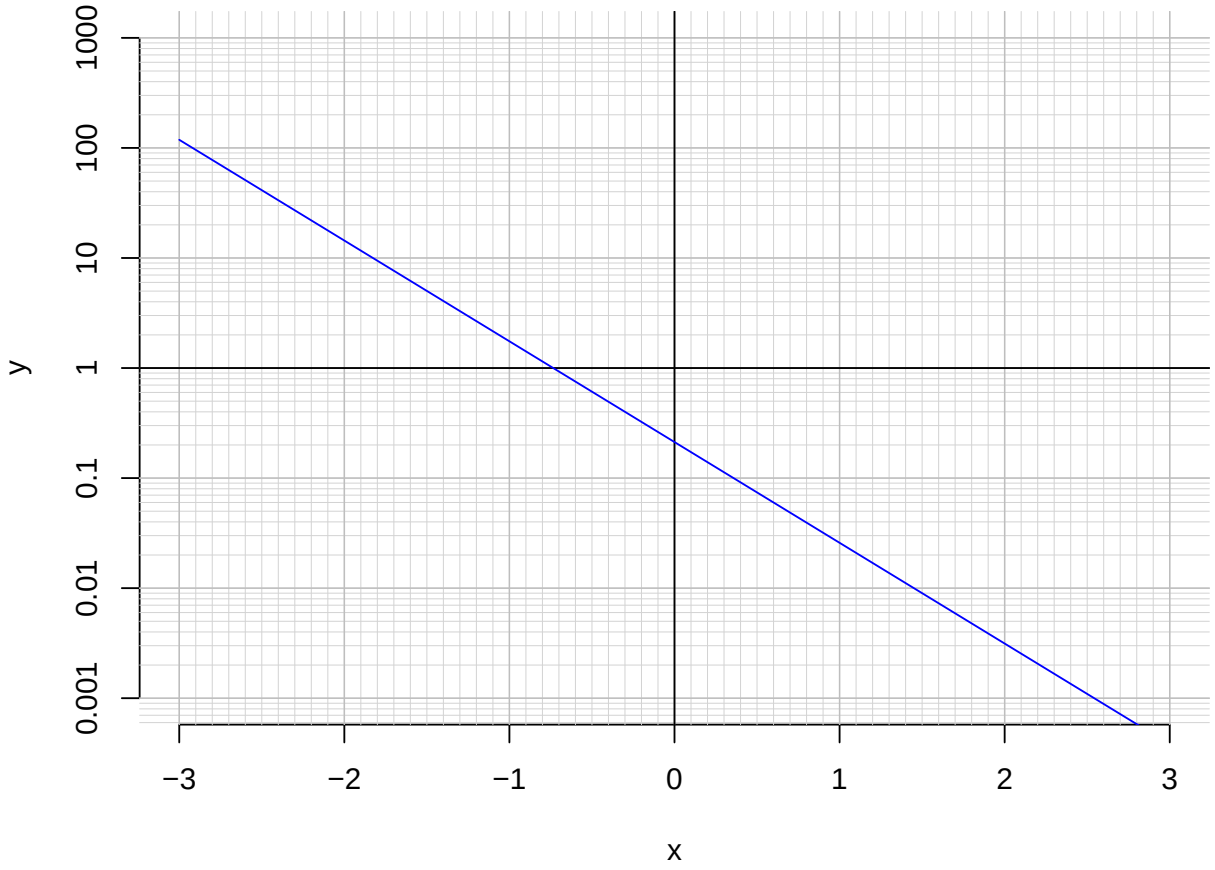
1. Graph $y = 2^{x+5} + 3$ and $y = \log_2(x-5) + 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-23 = \left(\frac{-4}{5}\right) \cdot 2^{-3t/7}$$

3. An exponential function $f(x) = 0.213 \cdot e^{-2.11x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.5)$.

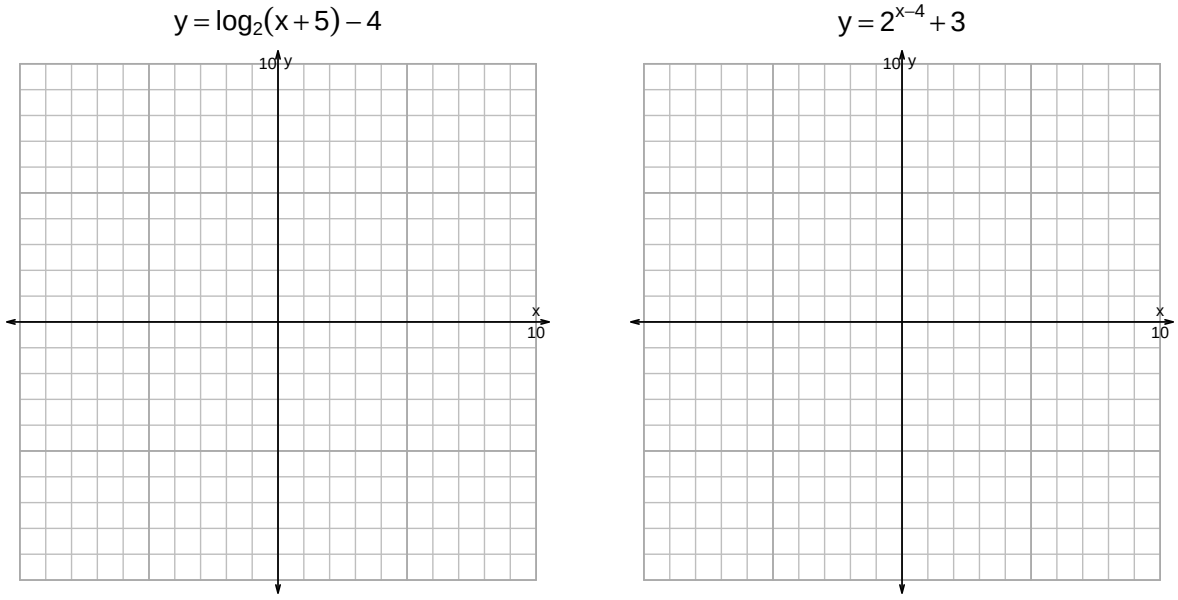
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.4)$.

Name: Date:

s18quiz: EXP LOG (Practice v131)

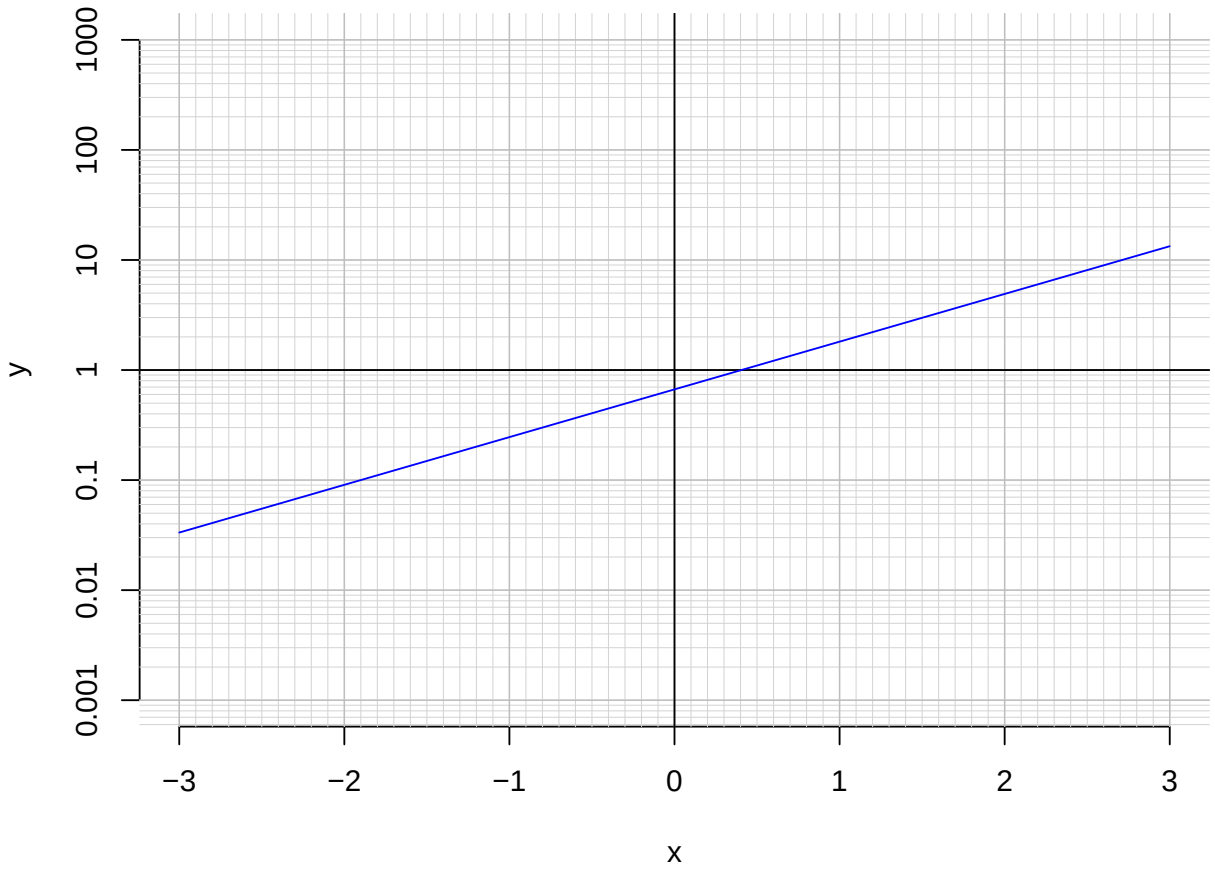
1. Graph $y = \log_2(x+5) - 4$ and $y = 2^{x-4} + 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-19 = \left(\frac{-5}{7}\right) \cdot 10^{3t/4}$$

3. An exponential function $f(x) = 0.667 \cdot e^{0.998x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.2)$.

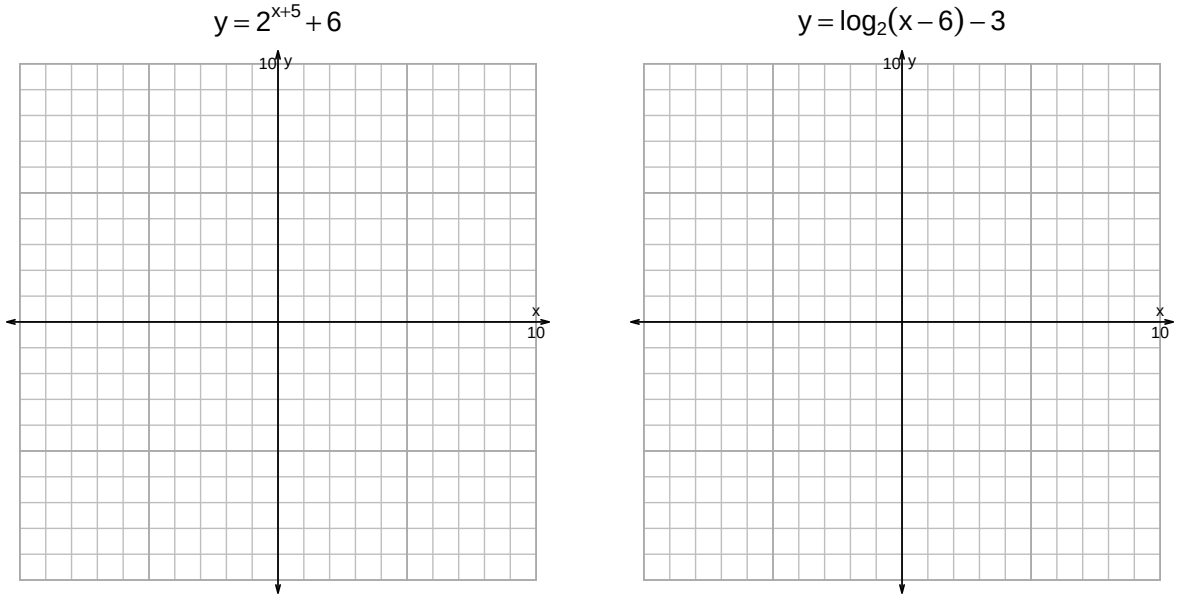
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.9)$.

Name: Date:

s18quiz: EXP LOG (Practice v132)

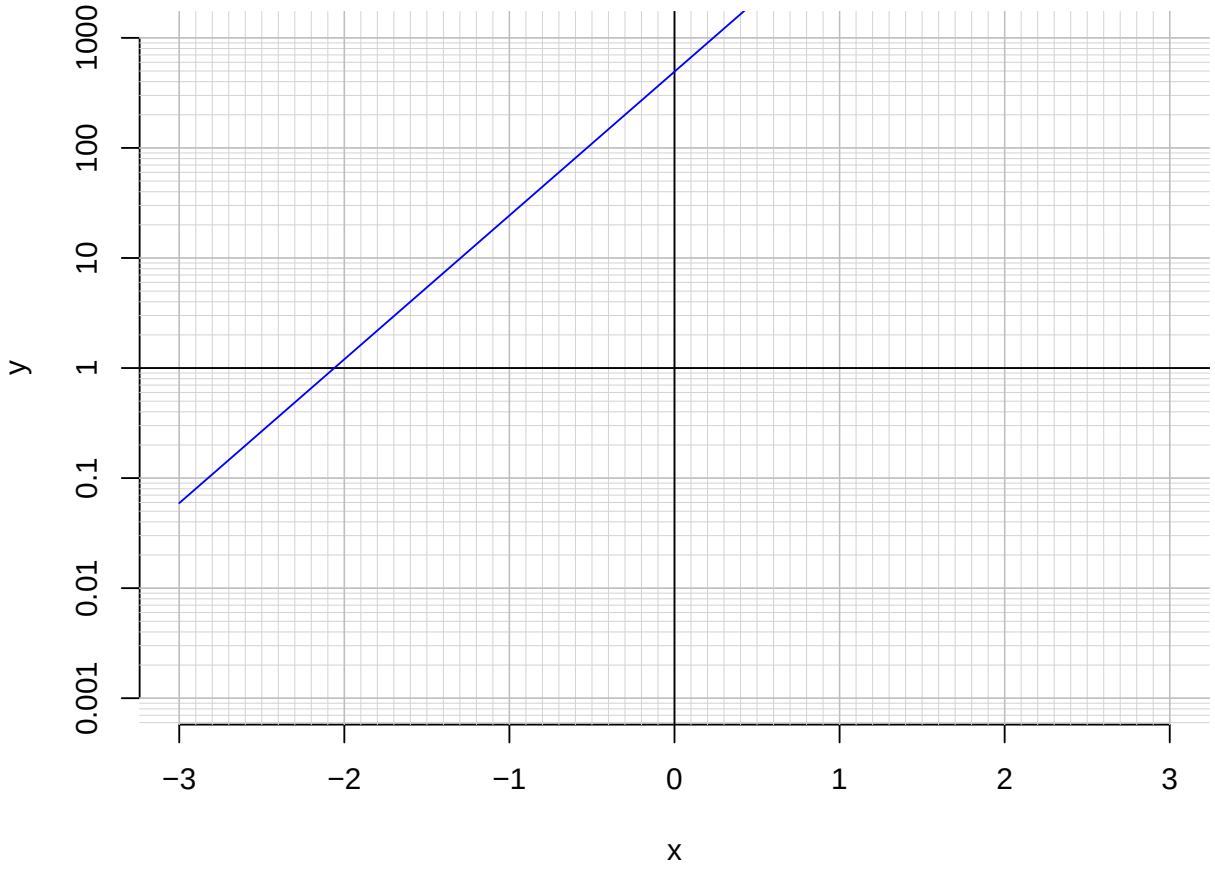
1. Graph $y = 2^{x+5} + 6$ and $y = \log_2(x-6) - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$13 = \left(\frac{3}{4}\right) \cdot 10^{5t/7}$$

3. An exponential function $f(x) = 493 \cdot e^{3.01x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.6)$.

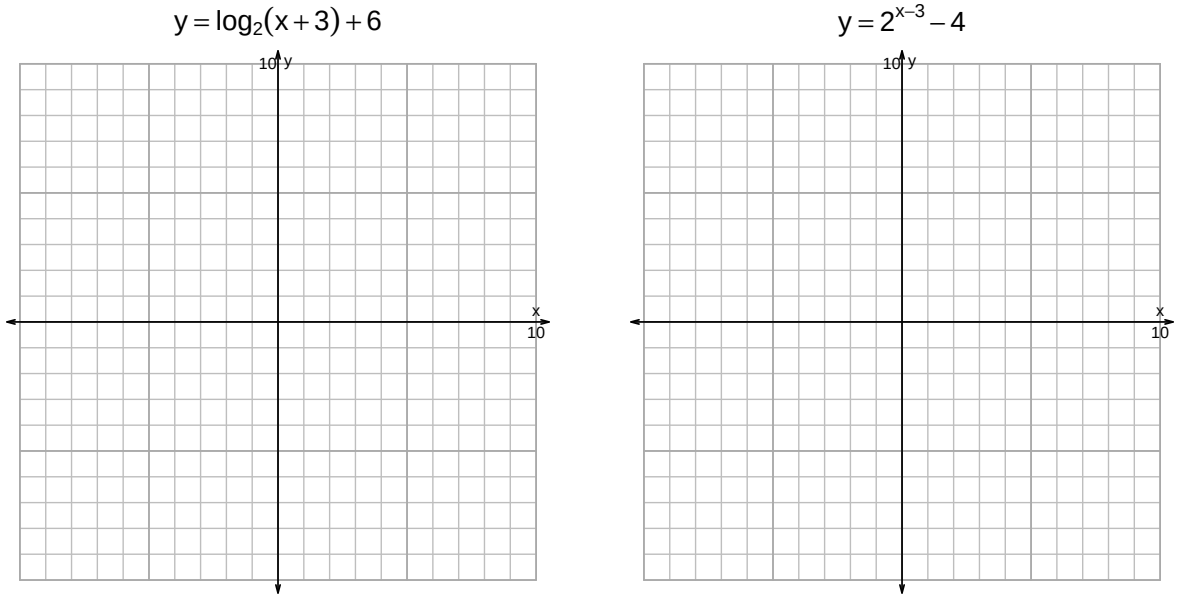
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(900)$.

Name: Date:

s18quiz: EXP LOG (Practice v133)

1. Graph $y = \log_2(x+3) + 6$ and $y = 2^{x-3} - 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$11 = \left(\frac{7}{4}\right) \cdot 2^{-5t/3}$$

3. An exponential function $f(x) = 12.3 \cdot e^{-1.55x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(-2.7)$.

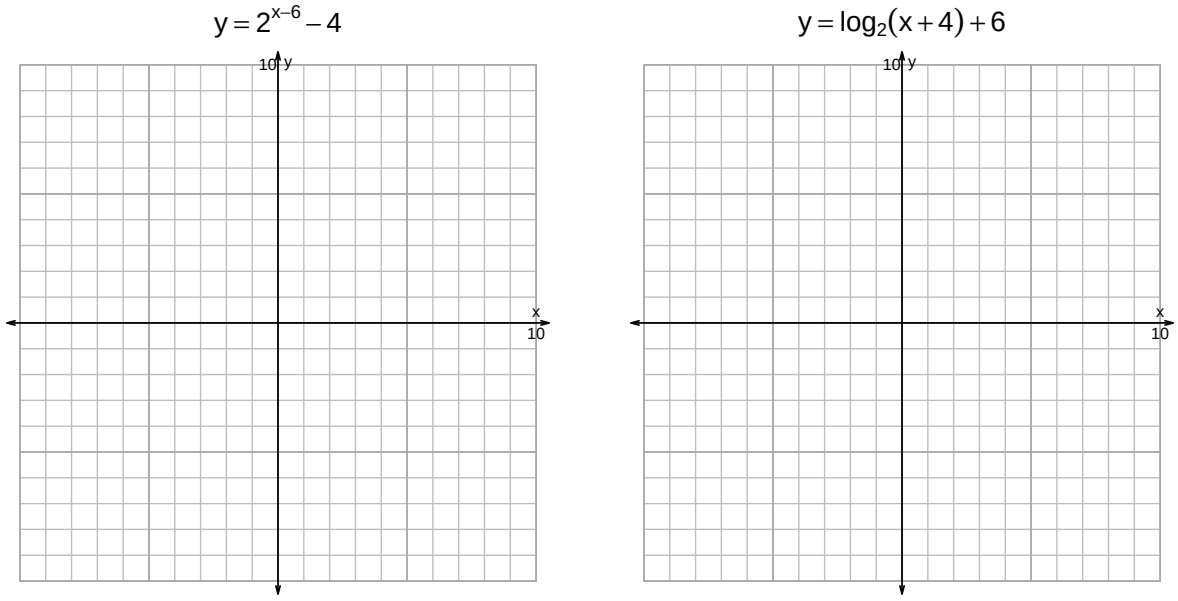
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.3)$.

Name: Date:

s18quiz: EXP LOG (Practice v134)

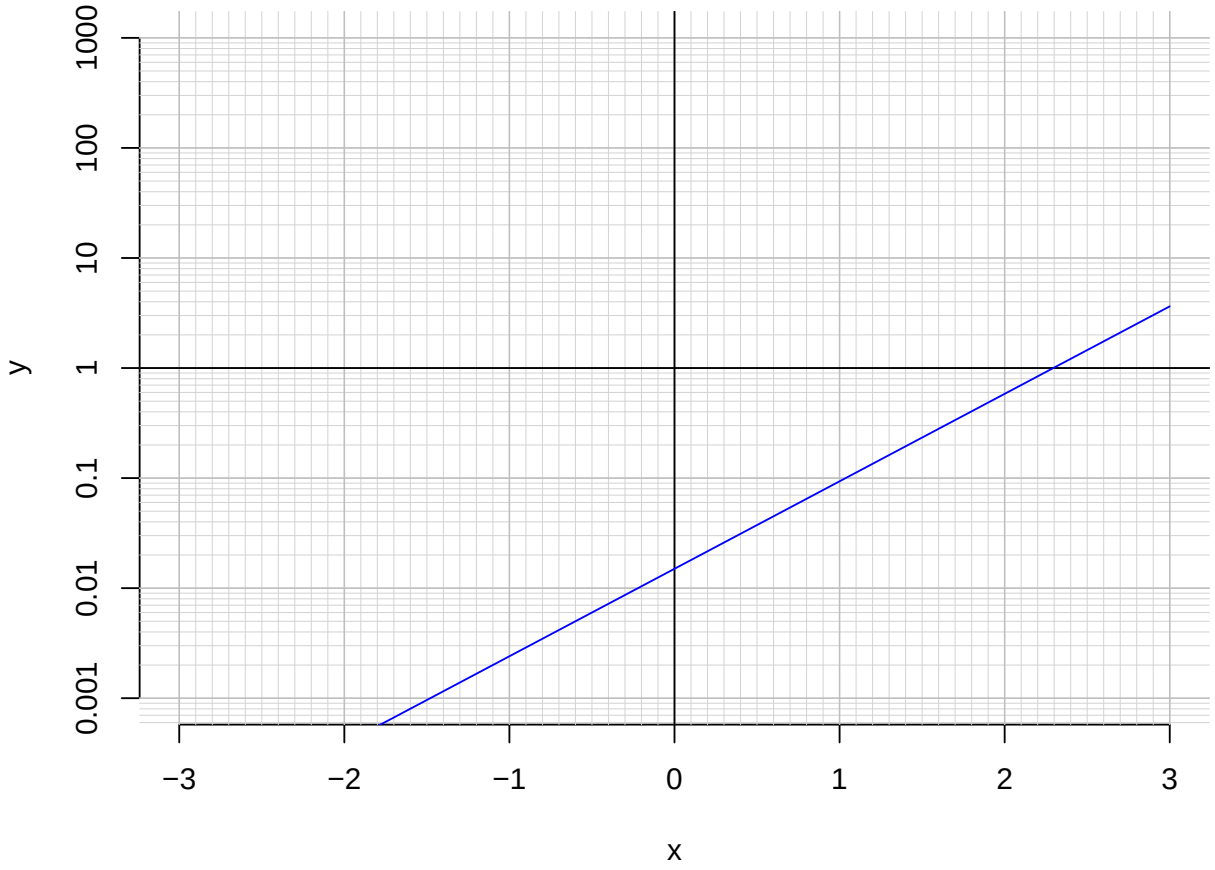
1. Graph $y = 2^{x-6} - 4$ and $y = \log_2(x+4) + 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$29 = \left(\frac{4}{3}\right) \cdot 10^{5t/7}$$

3. An exponential function $f(x) = 0.015 \cdot e^{1.83x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.6)$.

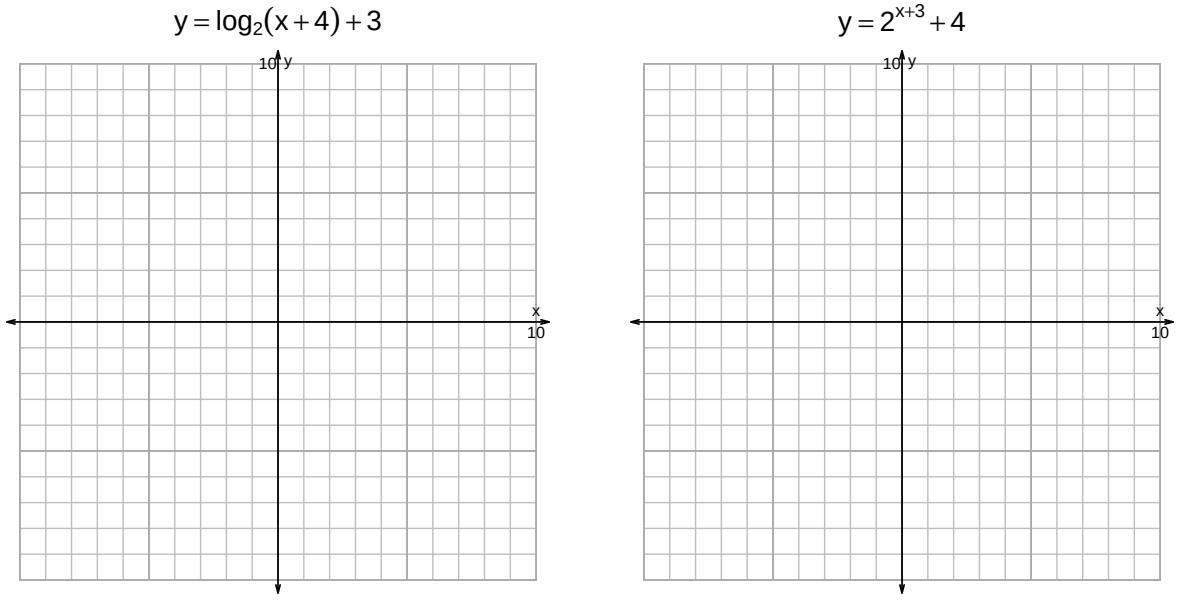
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.7)$.

Name: Date:

s18quiz: EXP LOG (Practice v135)

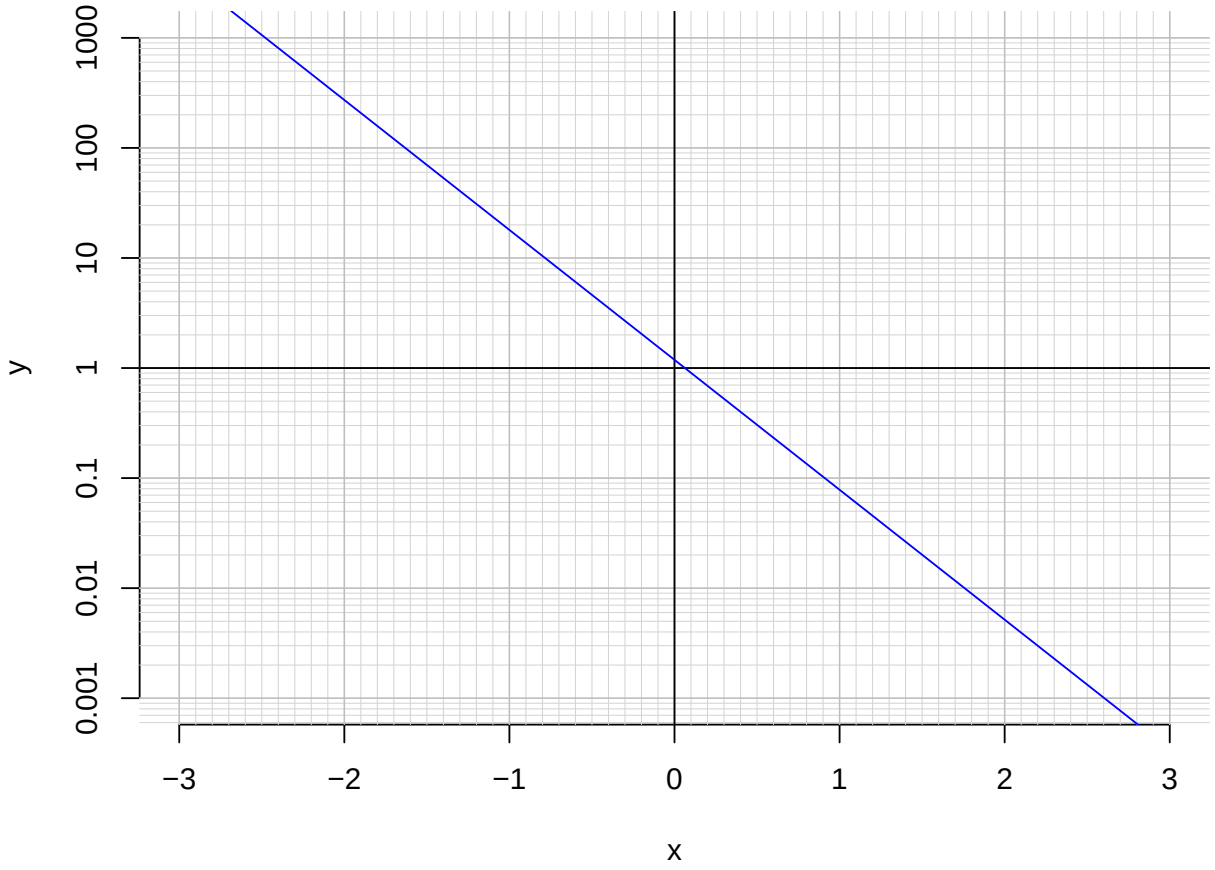
1. Graph $y = \log_2(x+4)+3$ and $y = 2^{x+3}+4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$19 = \left(\frac{3}{5}\right) \cdot 10^{-7t/4}$$

3. An exponential function $f(x) = 1.19 \cdot e^{-2.72x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(0.4)$.

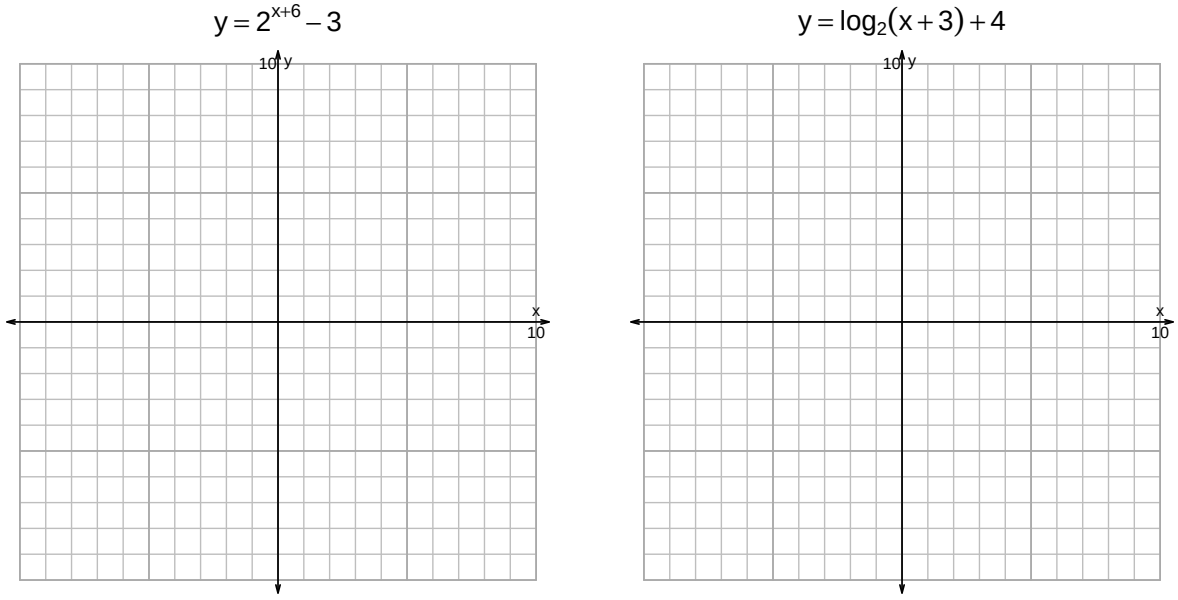
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(70)$.

Name: Date:

s18quiz: EXP LOG (Practice v136)

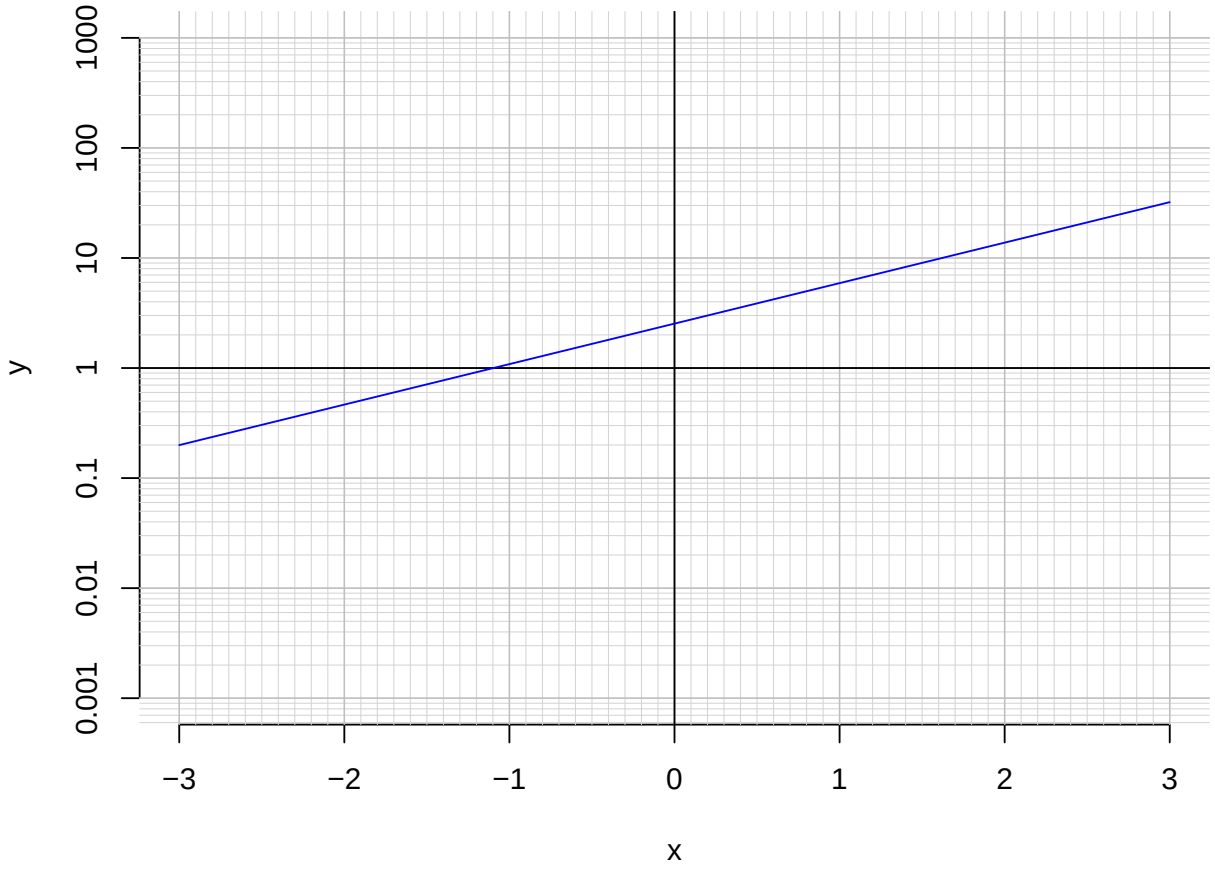
1. Graph $y = 2^{x+6} - 3$ and $y = \log_2(x+3) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-23 = \left(\frac{-5}{7}\right) \cdot 2^{4t/3}$$

3. An exponential function $f(x) = 2.53 \cdot e^{0.847x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(0.2)$.

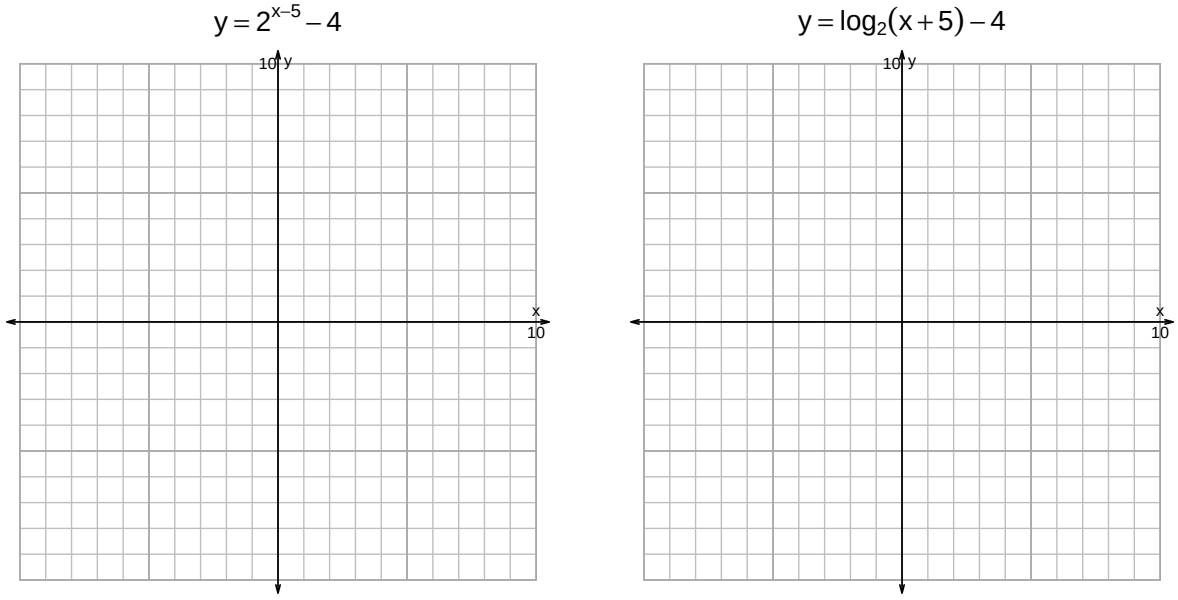
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.6)$.

Name: Date:

s18quiz: EXP LOG (Practice v137)

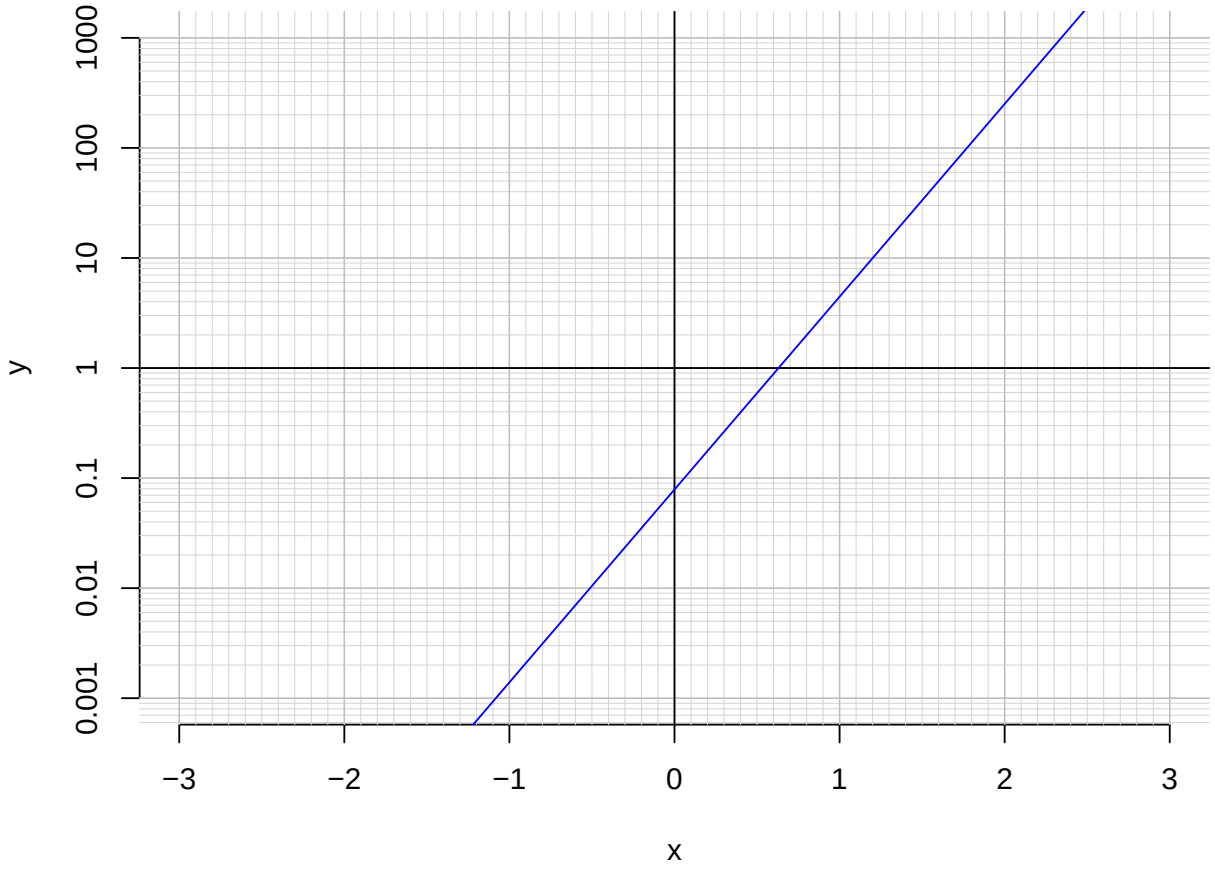
1. Graph $y = 2^{x-5} - 4$ and $y = \log_2(x+5) - 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-23 = \left(\frac{-5}{7}\right) \cdot 10^{4t/3}$$

3. An exponential function $f(x) = 0.0787 \cdot e^{4.03x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.6)$.

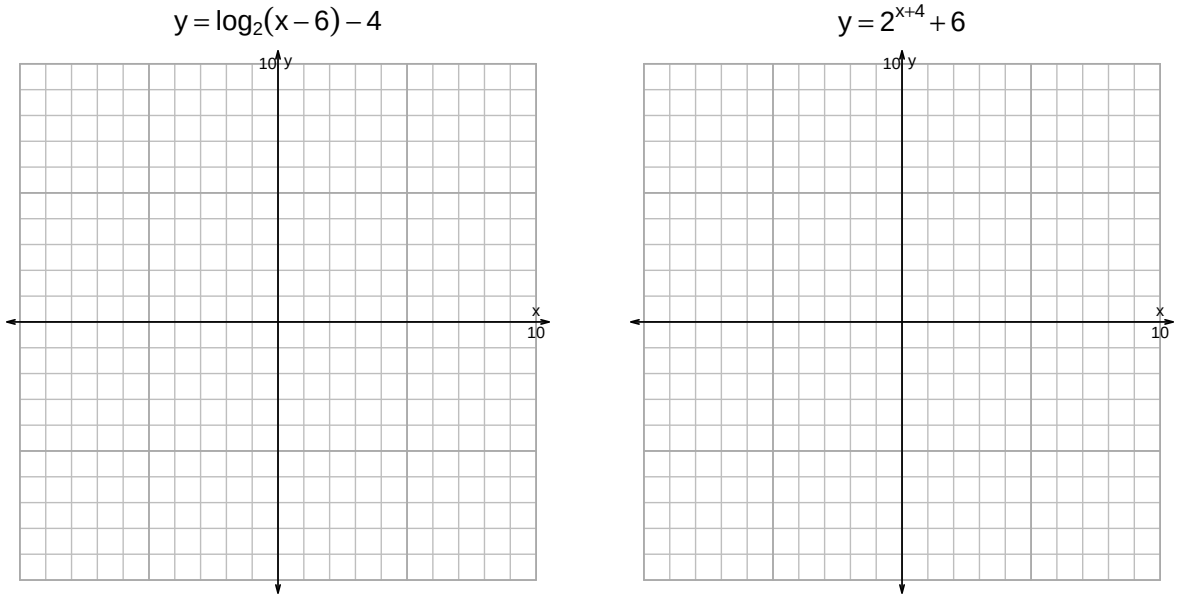
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(50)$.

Name: Date:

s18quiz: EXP LOG (Practice v138)

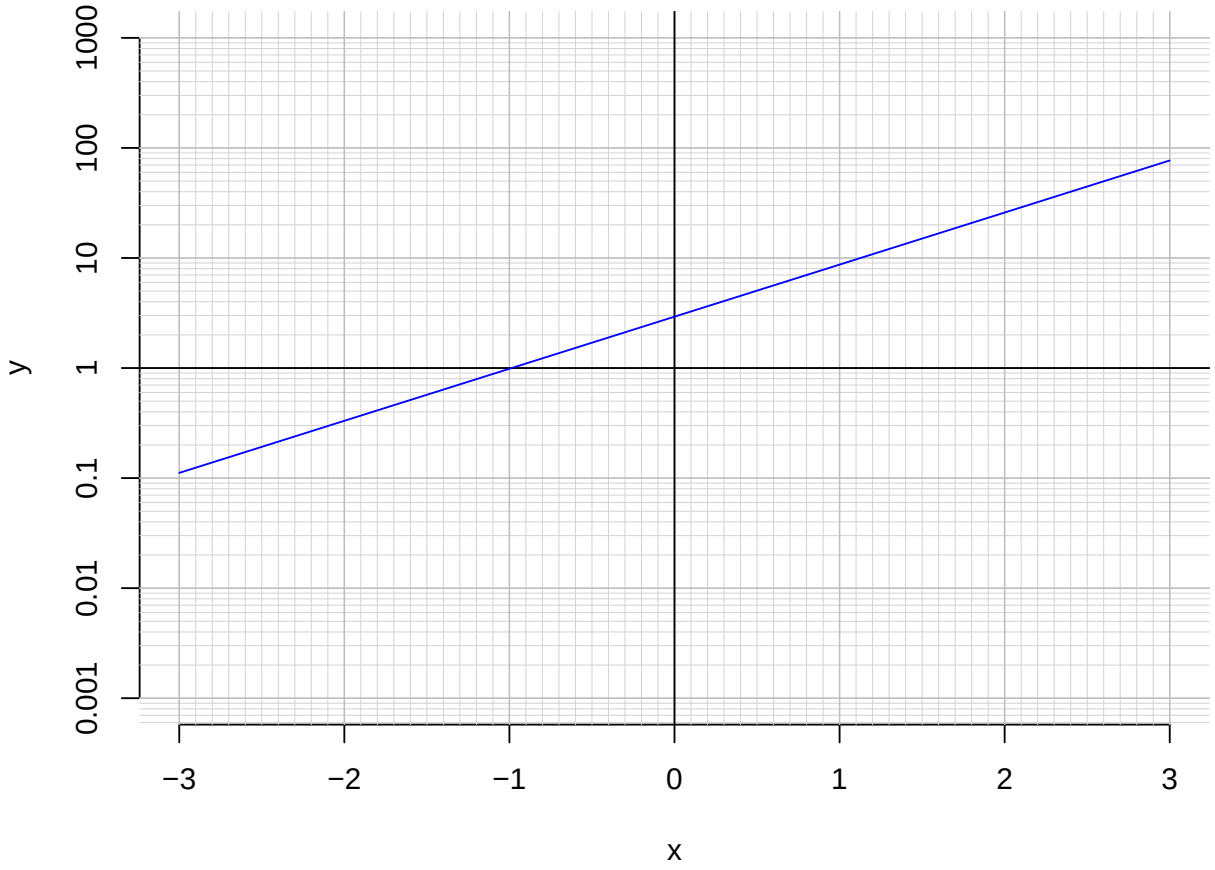
1. Graph $y = \log_2(x-6) - 4$ and $y = 2^{x+4} + 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-23 = \left(\frac{-3}{7}\right) \cdot 10^{5t/4}$$

3. An exponential function $f(x) = 2.93 \cdot e^{1.09x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.4)$.

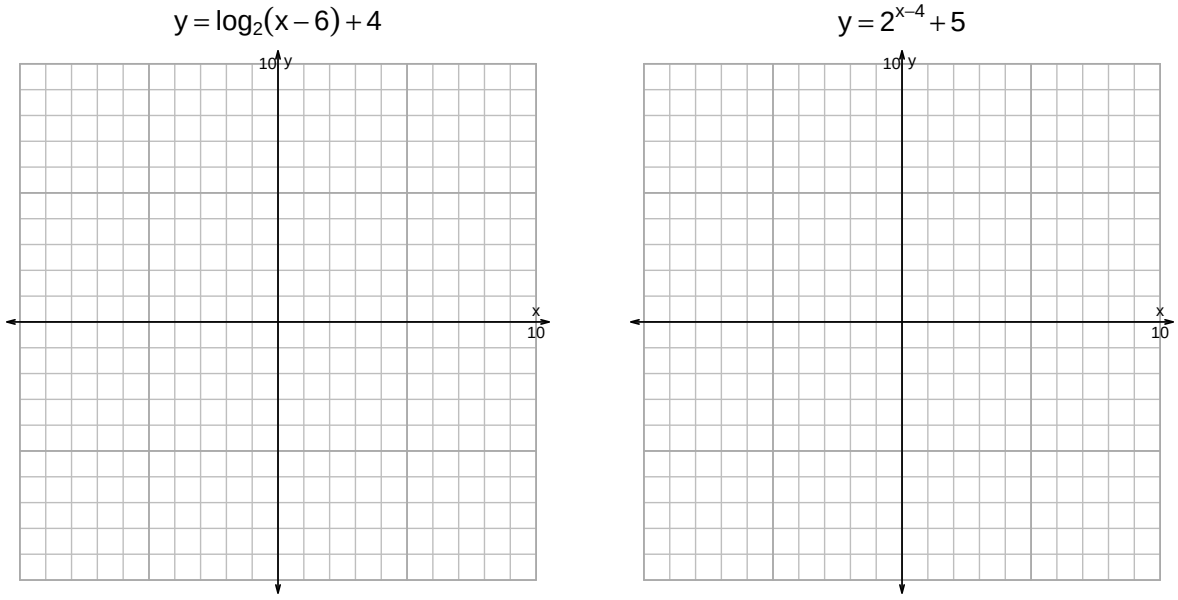
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(7)$.

Name: Date:

s18quiz: EXP LOG (Practice v139)

1. Graph $y = \log_2(x-6)+4$ and $y = 2^{x-4}+5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-19 = \left(\frac{-5}{4}\right) \cdot 2^{3t/7}$$

3. An exponential function $f(x) = 0.0247 \cdot e^{-0.761x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(-1.7)$.

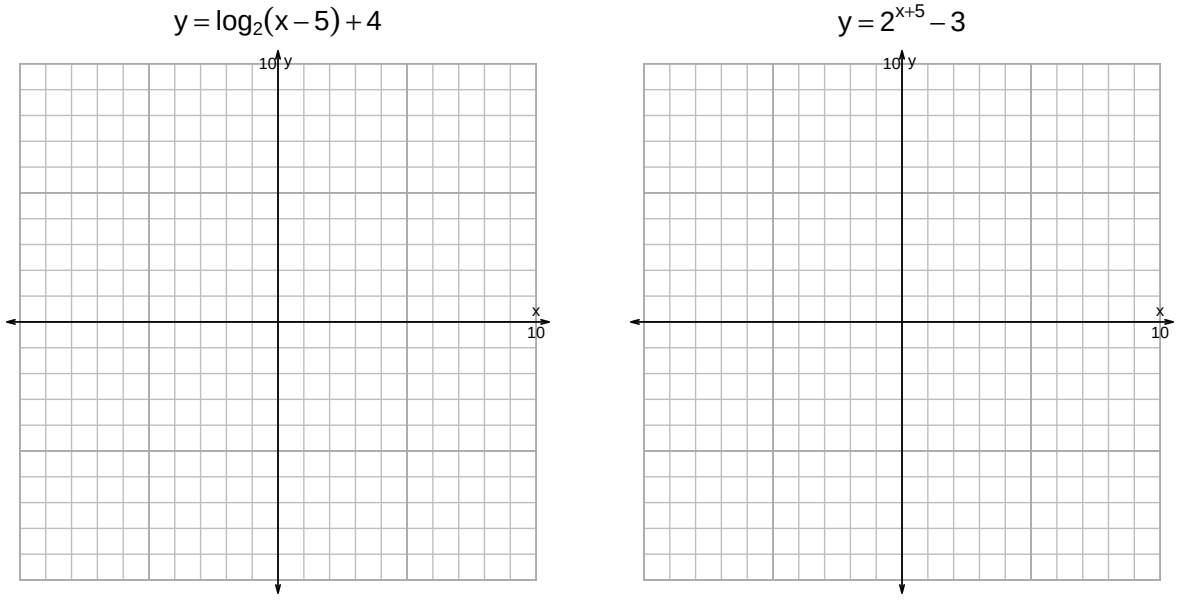
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.005)$.

Name: Date:

s18quiz: EXP LOG (Practice v140)

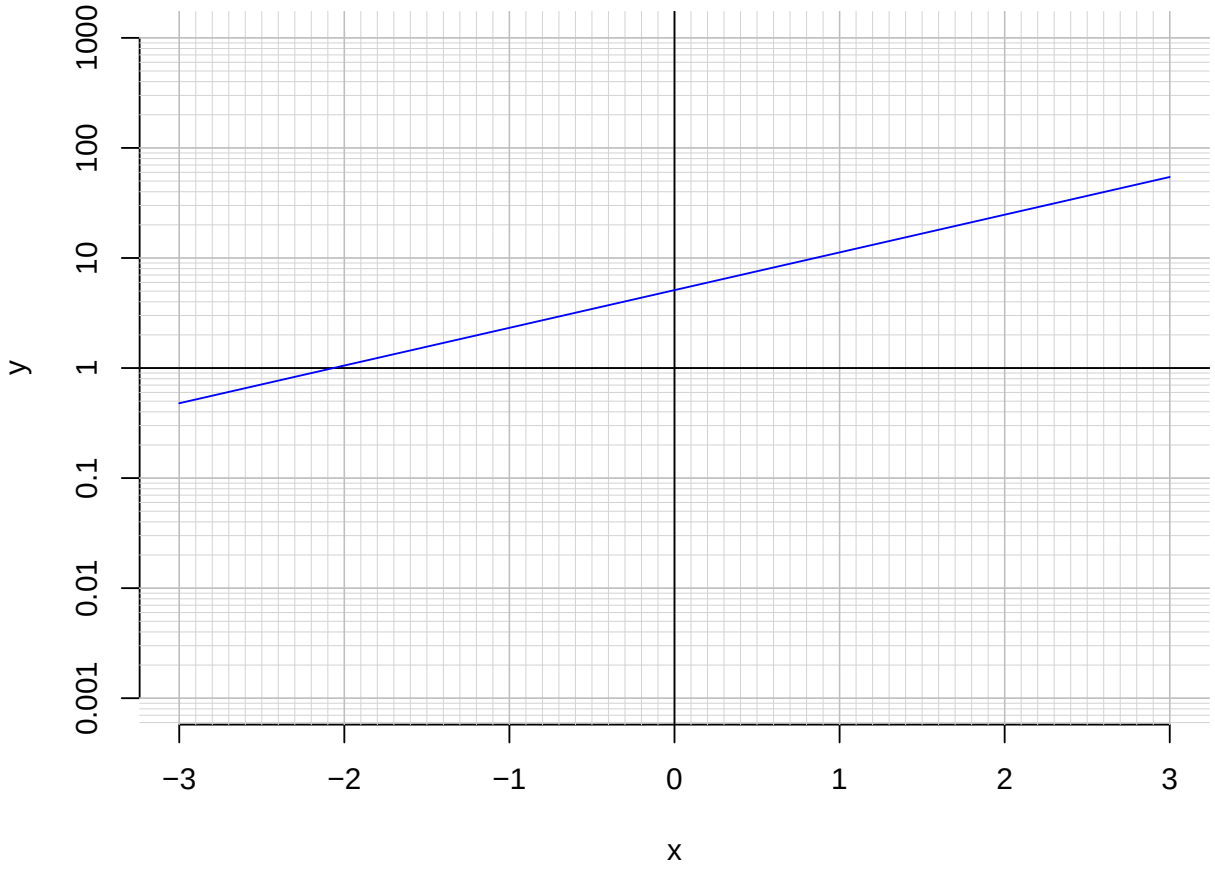
1. Graph $y = \log_2(x-5)+4$ and $y = 2^{x+5}-3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-17 = \left(\frac{-4}{7}\right) \cdot 2^{5t/3}$$

3. An exponential function $f(x) = 5.11 \cdot e^{0.789x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-2.2)$.

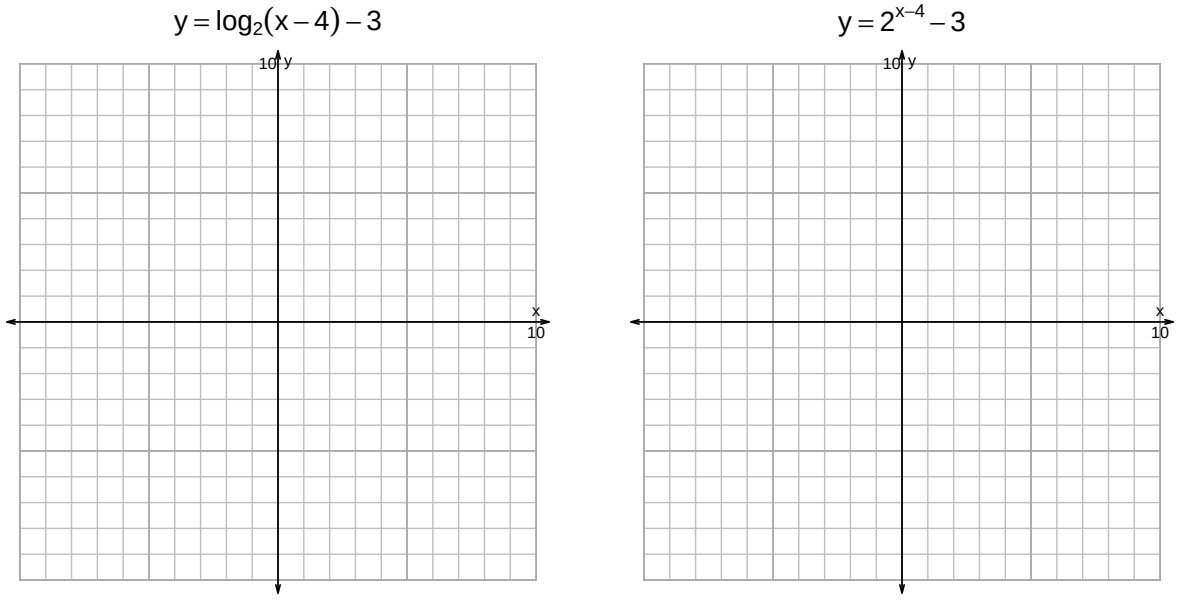
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(7)$.

Name: Date:

s18quiz: EXP LOG (Practice v141)

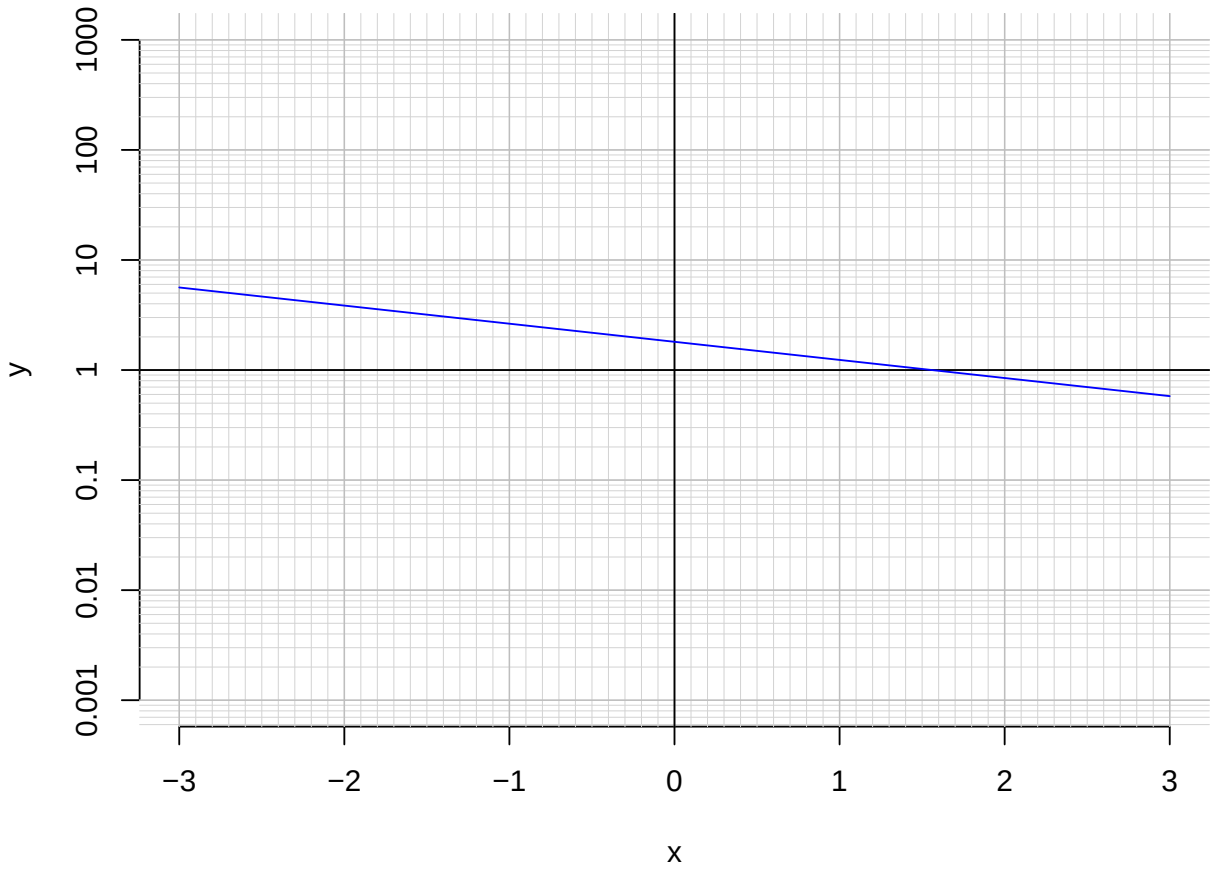
1. Graph $y = \log_2(x-4) - 3$ and $y = 2^{x-4} - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$17 = \left(\frac{4}{7}\right) \cdot 2^{5t/3}$$

3. An exponential function $f(x) = 1.81 \cdot e^{-0.379x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-2.1)$.

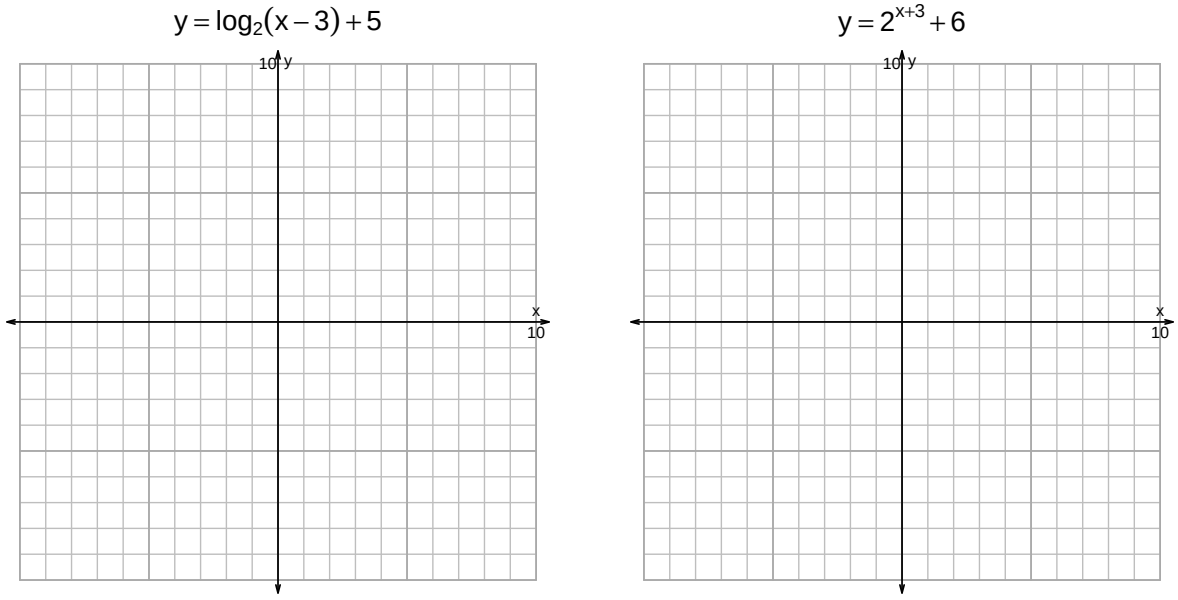
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.7)$.

Name: Date:

s18quiz: EXP LOG (Practice v142)

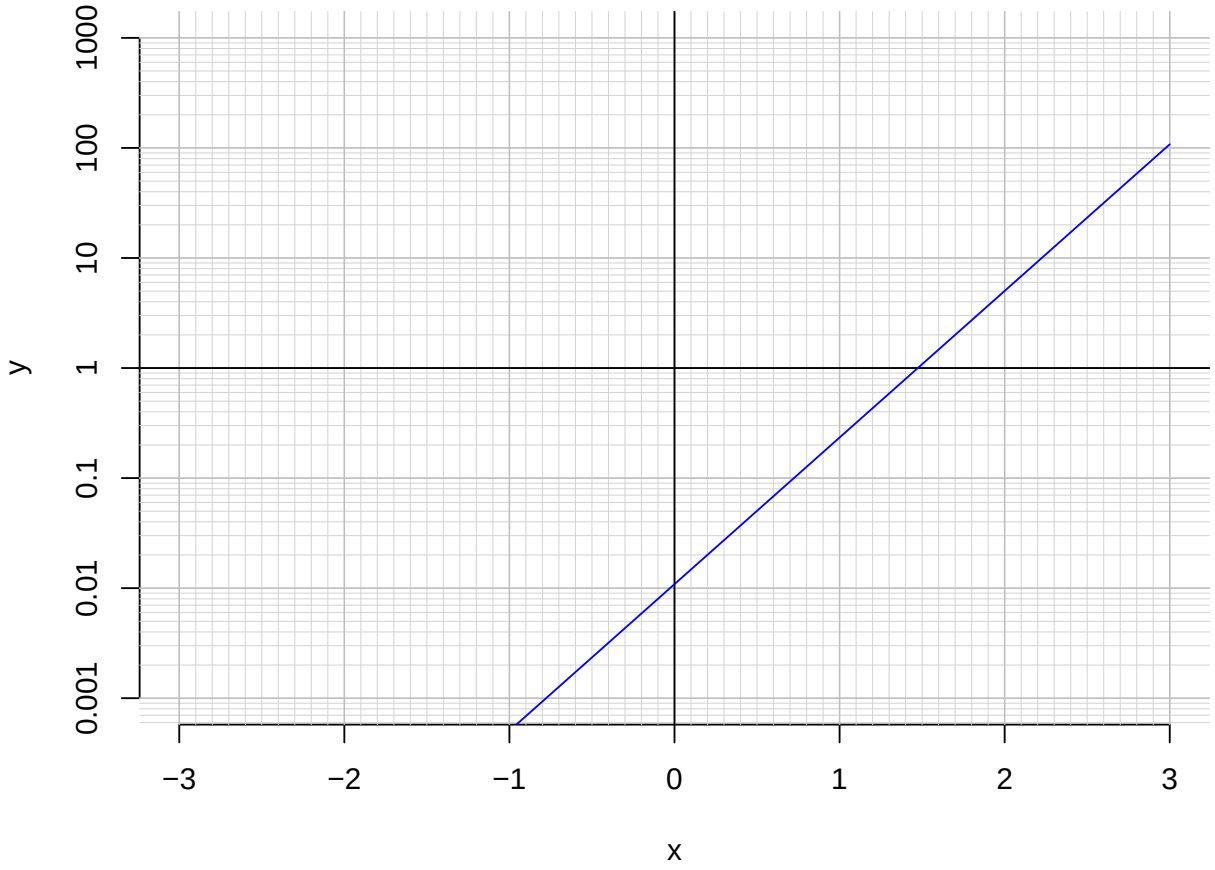
1. Graph $y = \log_2(x-3)+5$ and $y = 2^{x+3}+6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$23 = \left(\frac{3}{7}\right) \cdot 2^{-4t/5}$$

3. An exponential function $f(x) = 0.0109 \cdot e^{3.07x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.7)$.

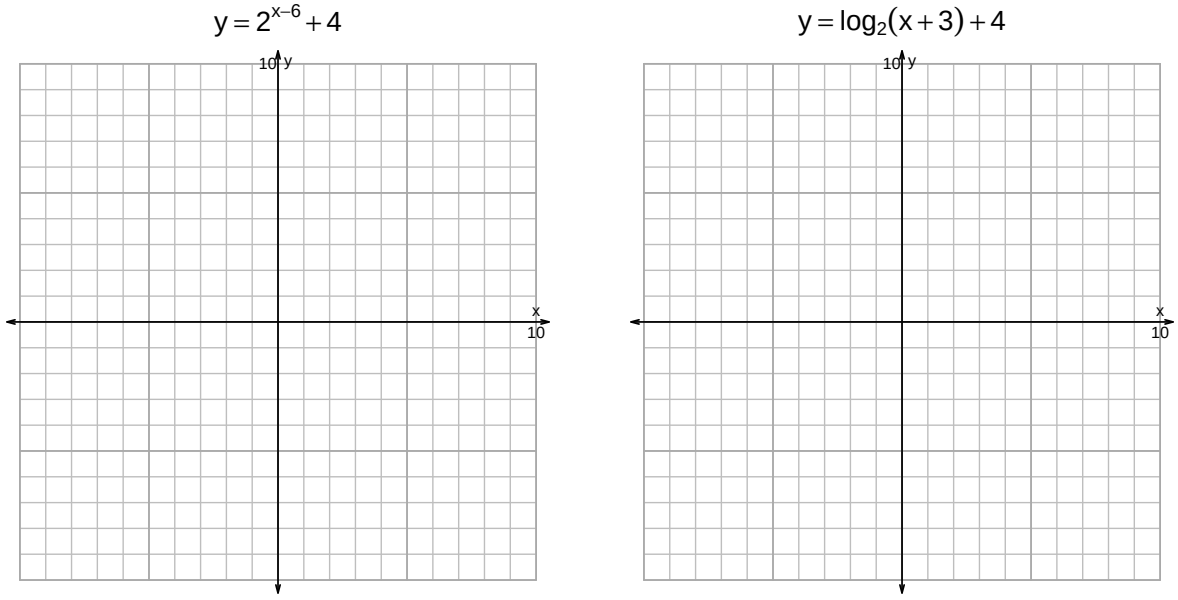
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.008)$.

Name: Date:

s18quiz: EXP LOG (Practice v143)

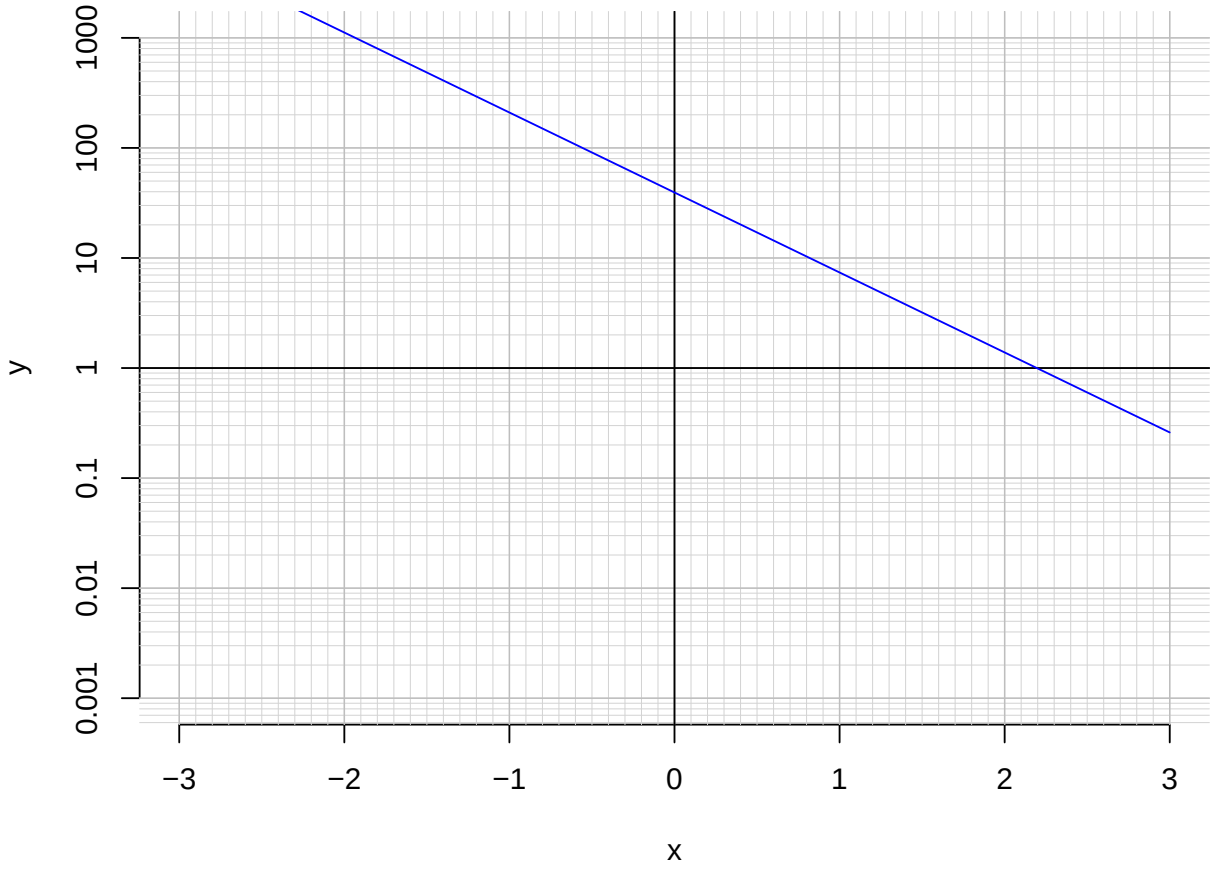
1. Graph $y = 2^{x-6} + 4$ and $y = \log_2(x+3) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$19 = \left(\frac{5}{4}\right) \cdot 2^{7t/3}$$

3. An exponential function $f(x) = 39.4 \cdot e^{-1.67x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.5)$.

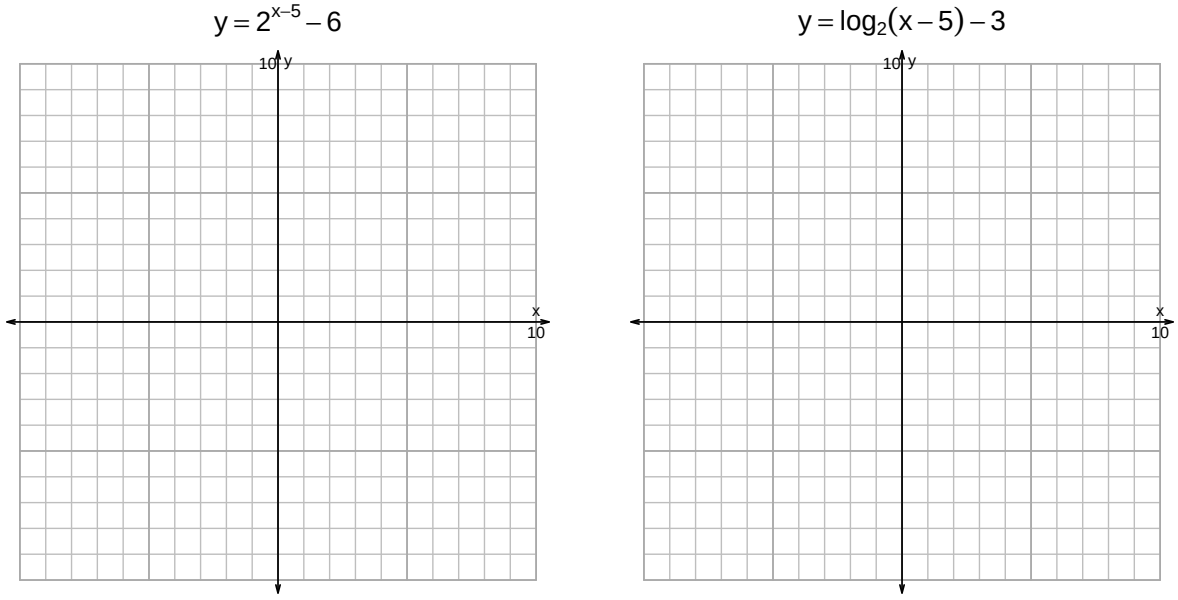
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(800)$.

Name: Date:

s18quiz: EXP LOG (Practice v144)

1. Graph $y = 2^{x-5} - 6$ and $y = \log_2(x-5) - 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-19 = \left(\frac{-4}{5}\right) \cdot 2^{-3t/7}$$

3. An exponential function $f(x) = 0.0324 \cdot e^{-1.1x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(1.7)$.

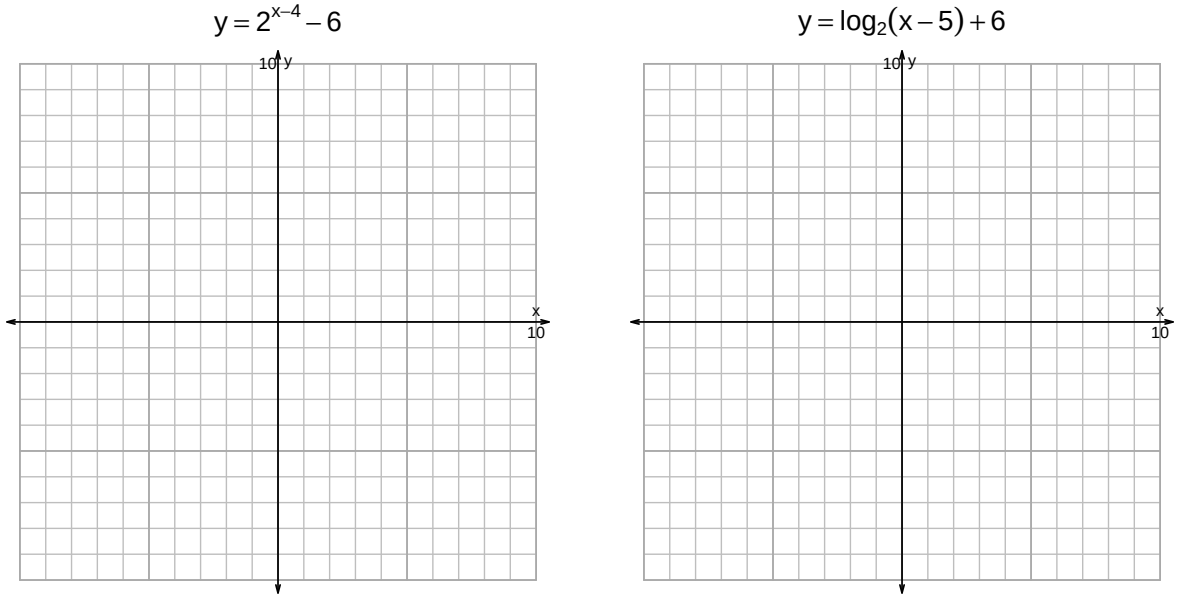
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.07)$.

Name: Date:

s18quiz: EXP LOG (Practice v145)

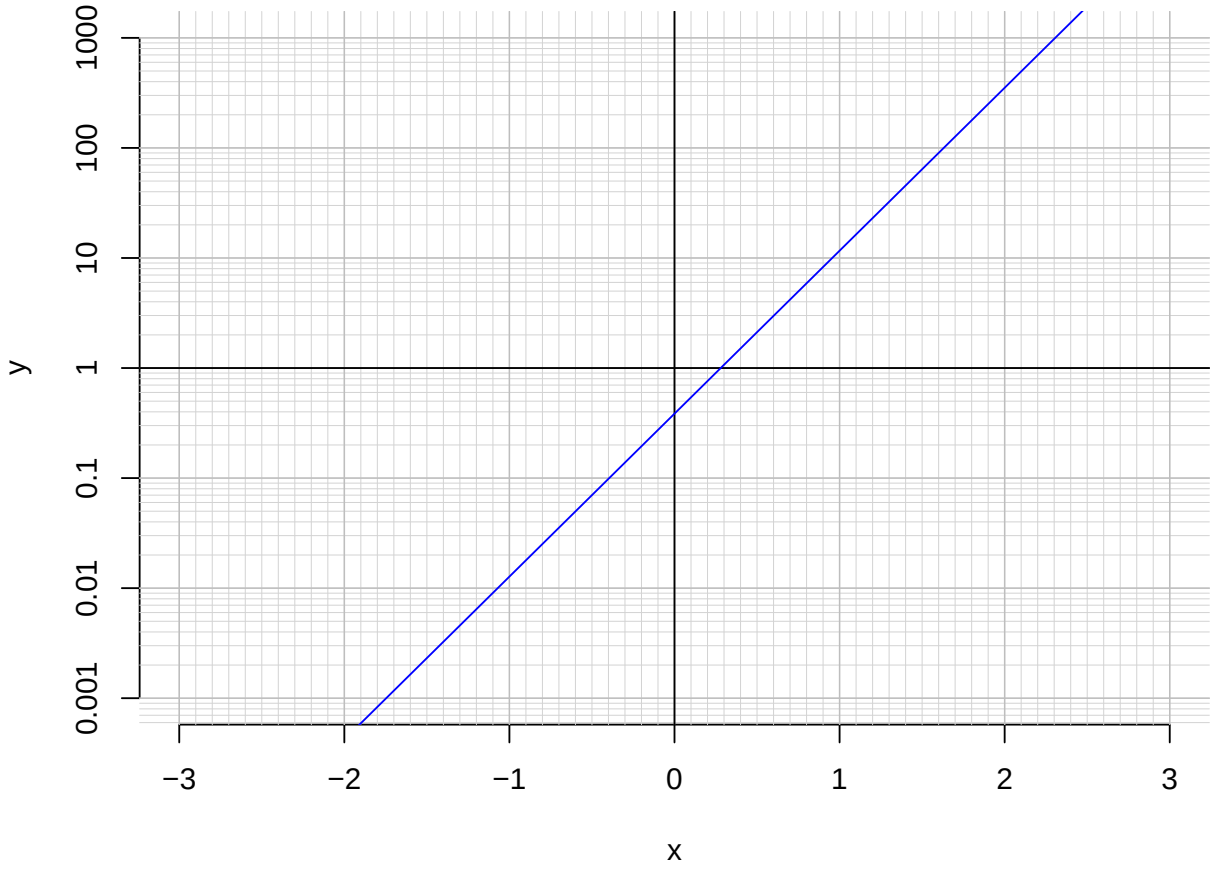
1. Graph $y = 2^{x-4} - 6$ and $y = \log_2(x-5) + 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-11 = \left(\frac{-7}{3}\right) \cdot 2^{-4t/5}$$

3. An exponential function $f(x) = 0.385 \cdot e^{3.41x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.6)$.

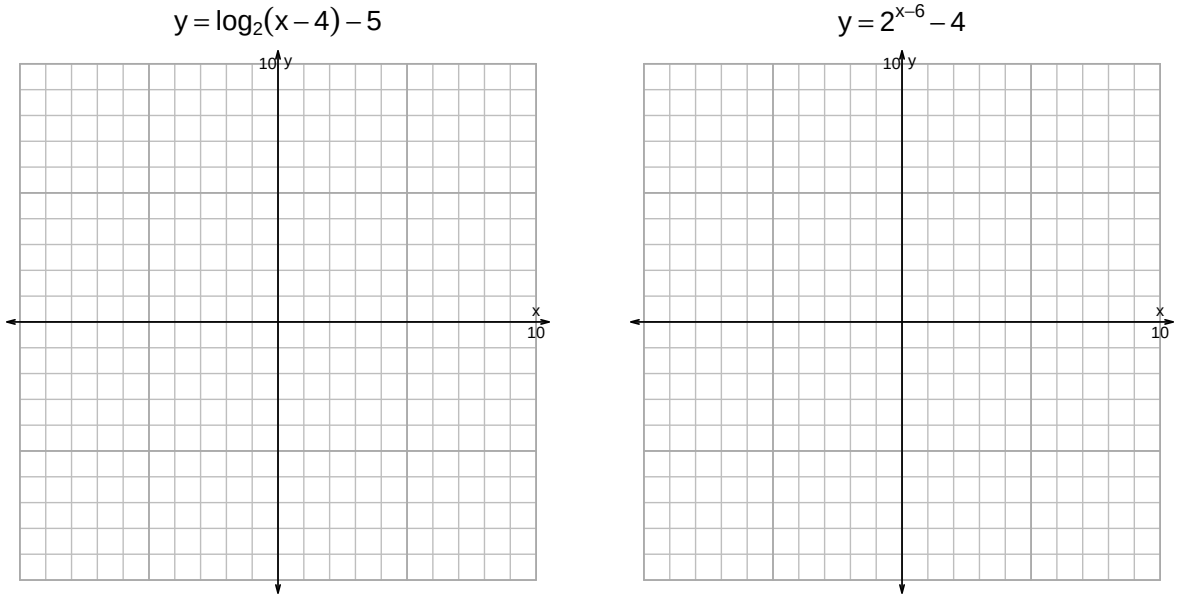
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.07)$.

Name: Date:

s18quiz: EXP LOG (Practice v146)

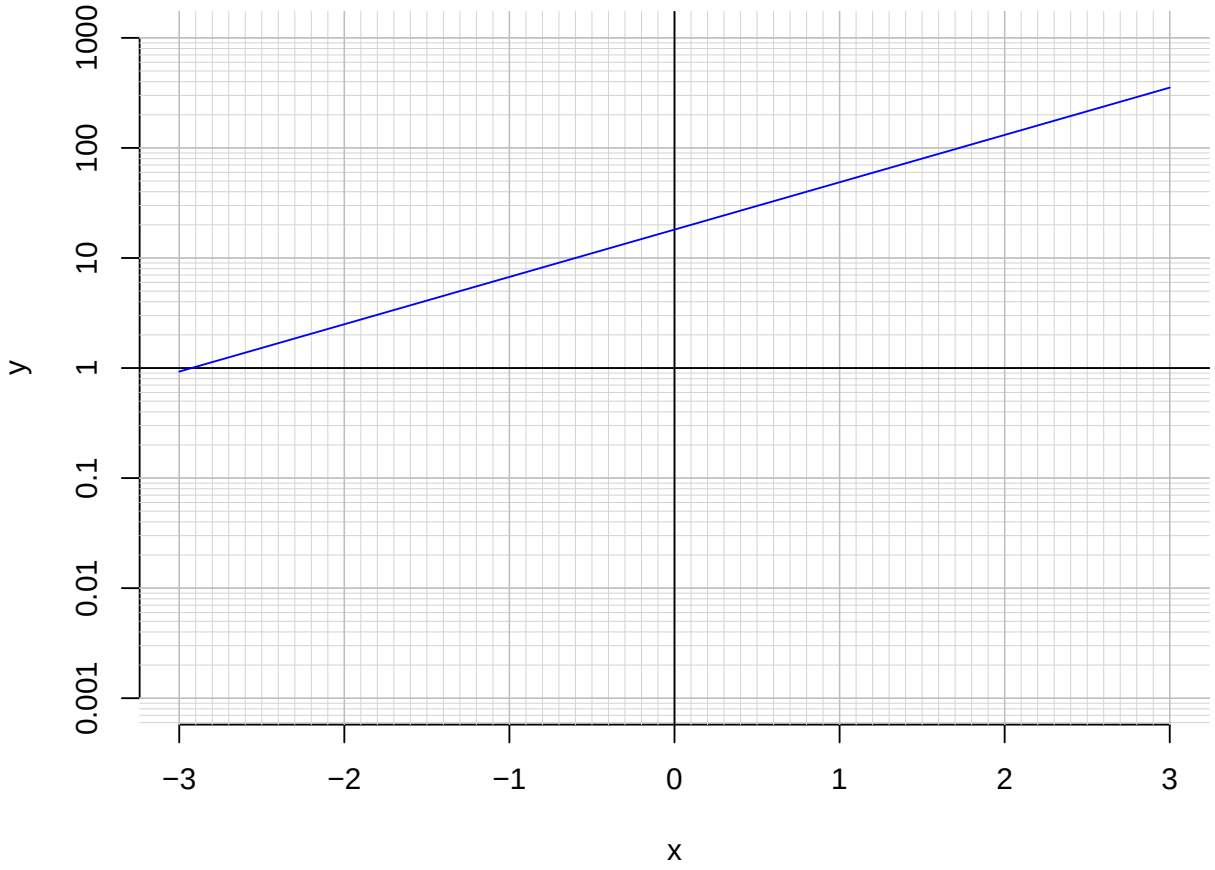
1. Graph $y = \log_2(x-4) - 5$ and $y = 2^{x-6} - 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-17 = \left(\frac{-3}{7}\right) \cdot 10^{4t/5}$$

3. An exponential function $f(x) = 18.1 \cdot e^{0.99x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.3)$.

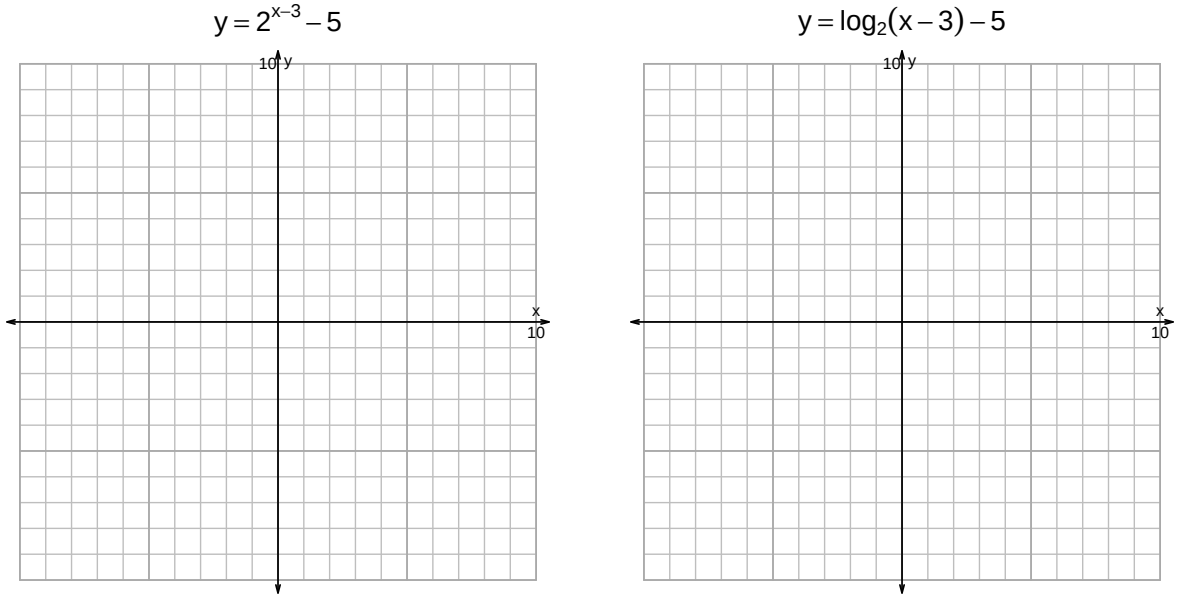
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(20)$.

Name: Date:

s18quiz: EXP LOG (Practice v147)

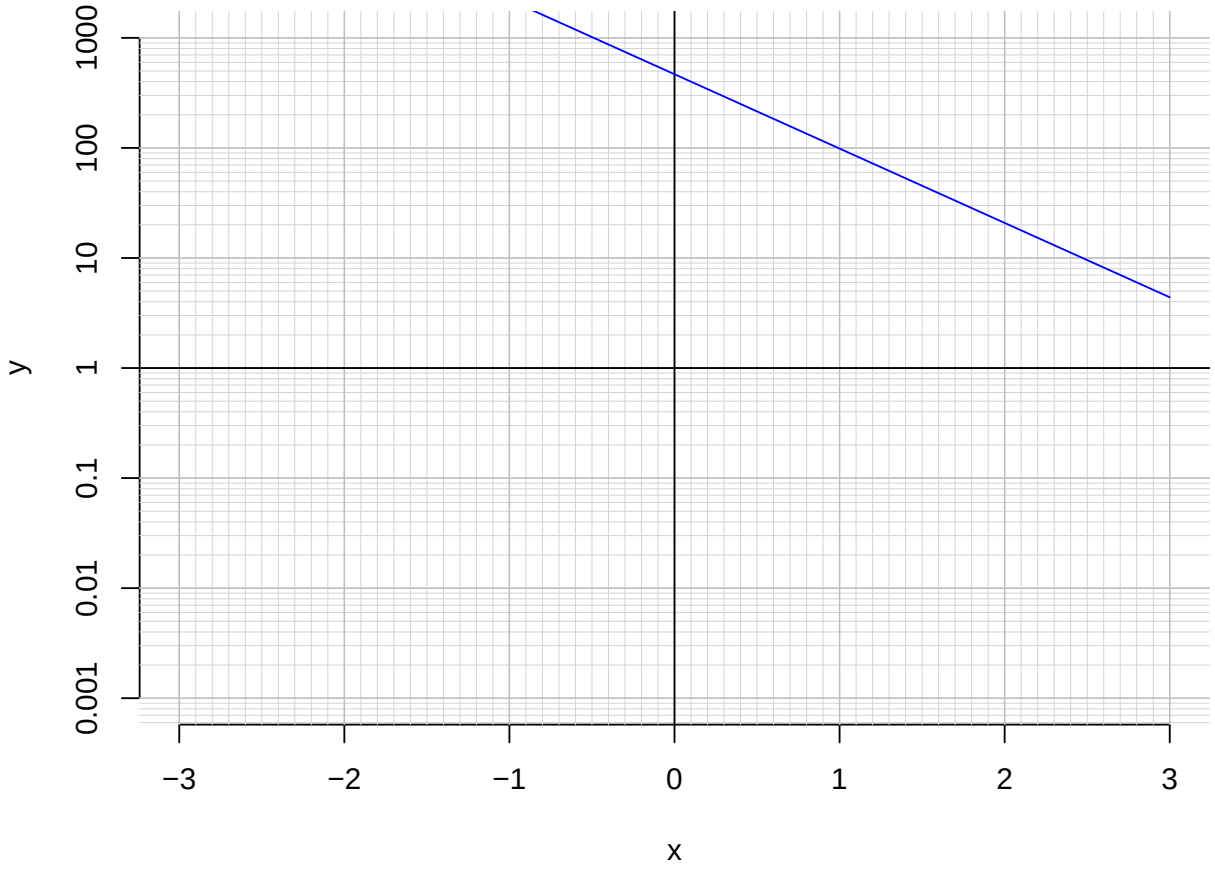
1. Graph $y = 2^{x-3} - 5$ and $y = \log_2(x-3) - 5$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-23 = \left(\frac{-3}{7}\right) \cdot 10^{4t/5}$$

3. An exponential function $f(x) = 467 \cdot e^{-1.56x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(2.8)$.

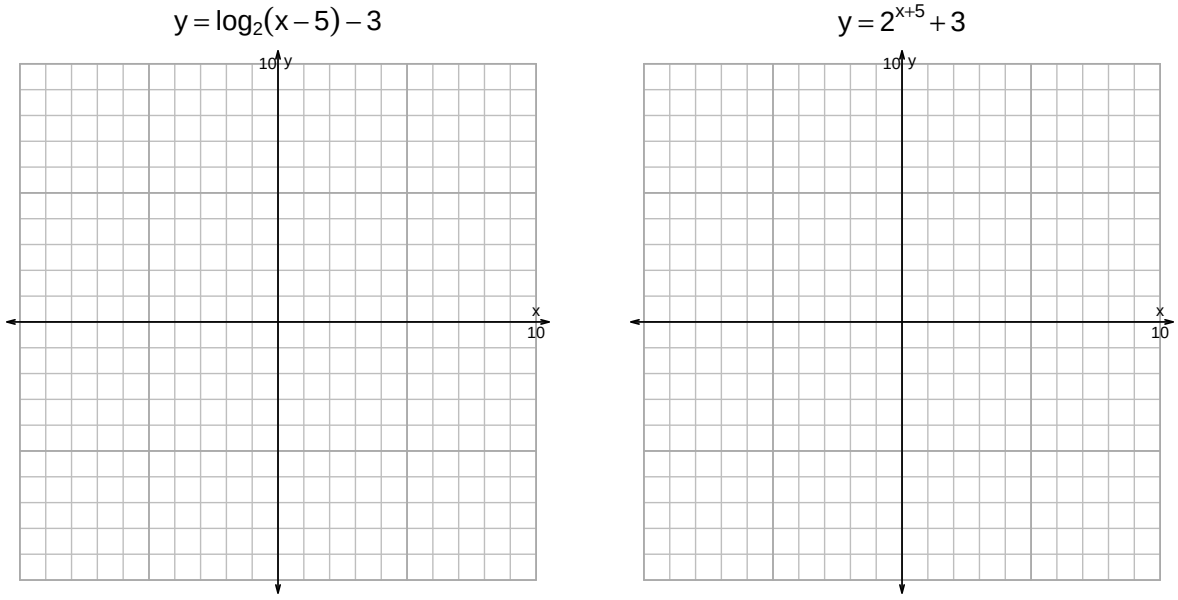
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(400)$.

Name: Date:

s18quiz: EXP LOG (Practice v148)

1. Graph $y = \log_2(x-5) - 3$ and $y = 2^{x+5} + 3$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-17 = \left(\frac{-3}{4}\right) \cdot 10^{7t/5}$$

3. An exponential function $f(x) = 0.0372 \cdot e^{-1.4x}$ is graphed below on a semi-log plot.

a. Using the plot above, evaluate $f(1.1)$.

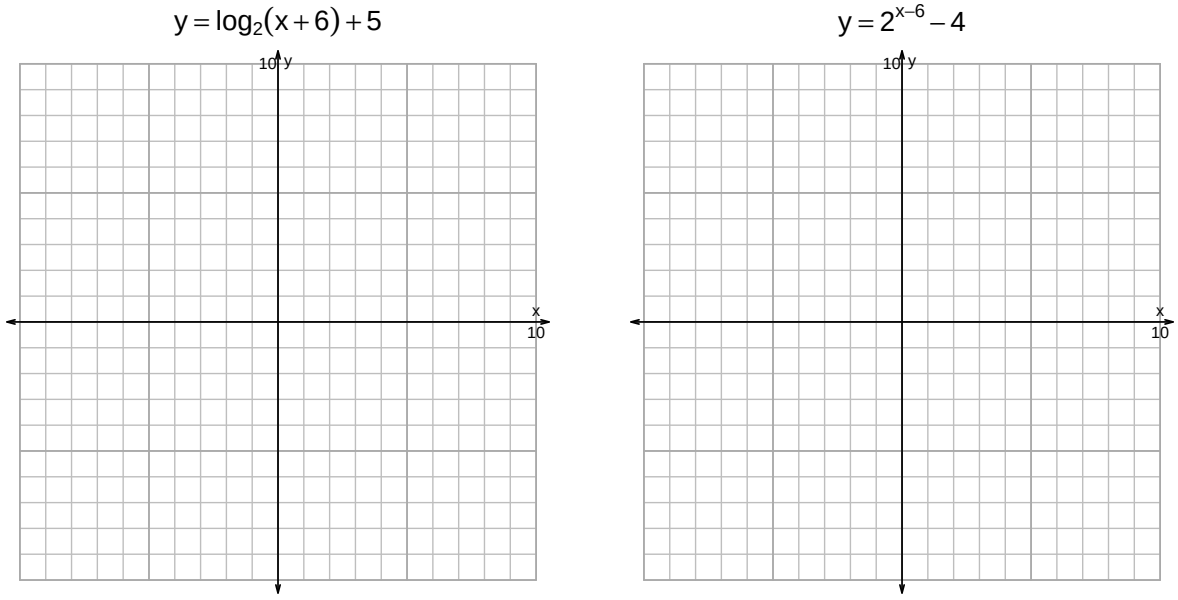
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(0.4)$.

Name: Date:

s18quiz: EXP LOG (Practice v149)

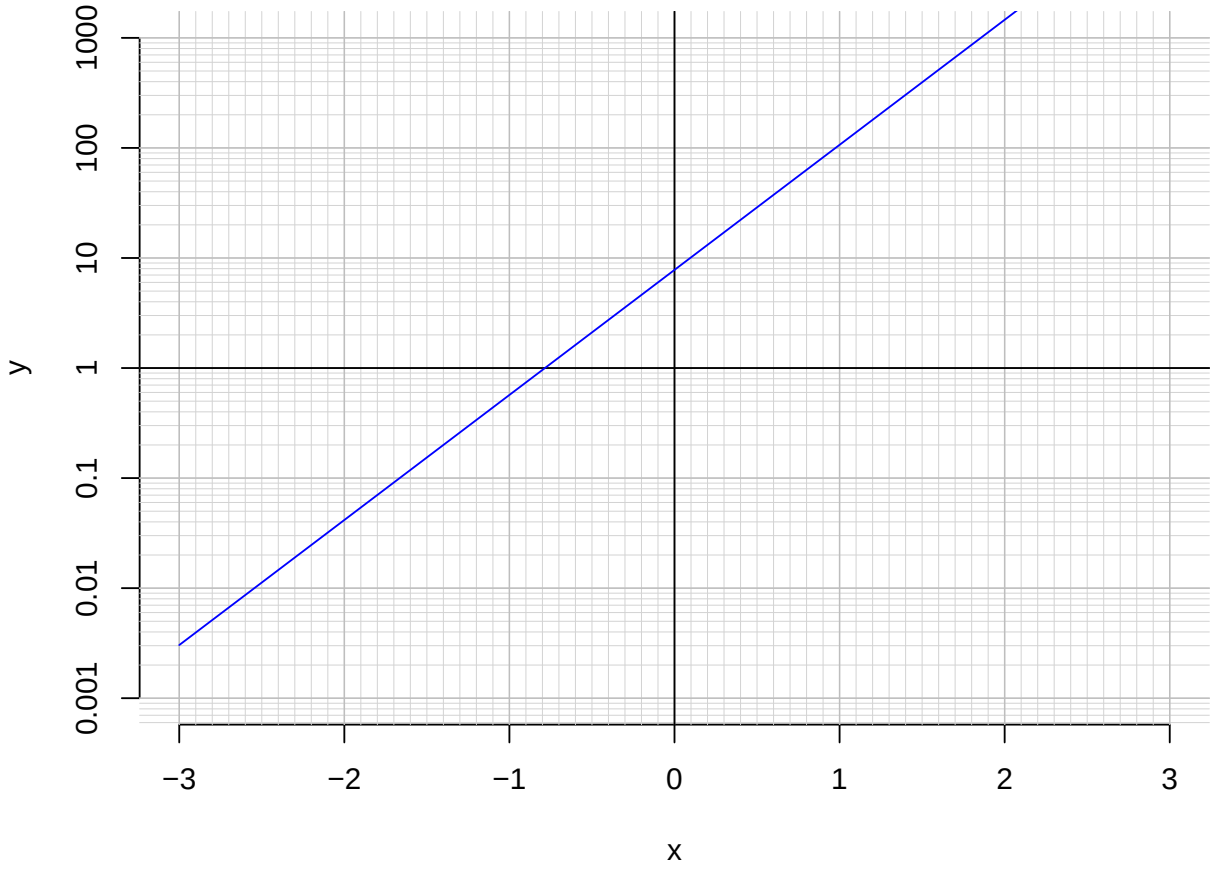
1. Graph $y = \log_2(x+6)+5$ and $y = 2^{x-6}-4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-11 = \left(\frac{-3}{4}\right) \cdot 10^{7t/5}$$

3. An exponential function $f(x) = 7.79 \cdot e^{2.62x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-1.4)$.

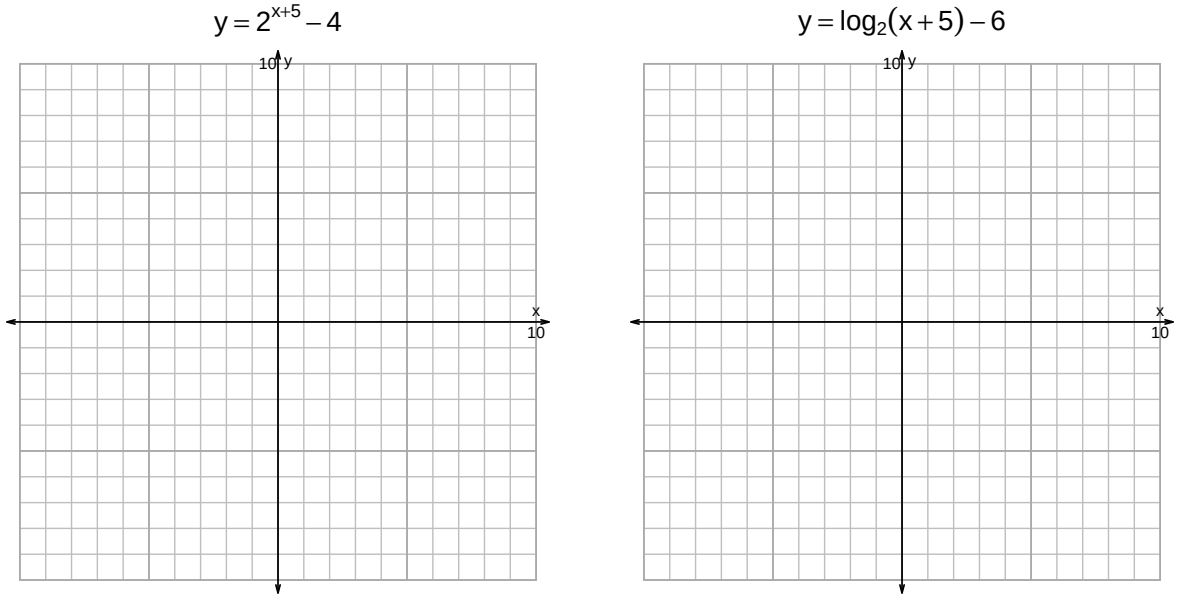
b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(6)$.

Name: Date:

s18quiz: EXP LOG (Practice v150)

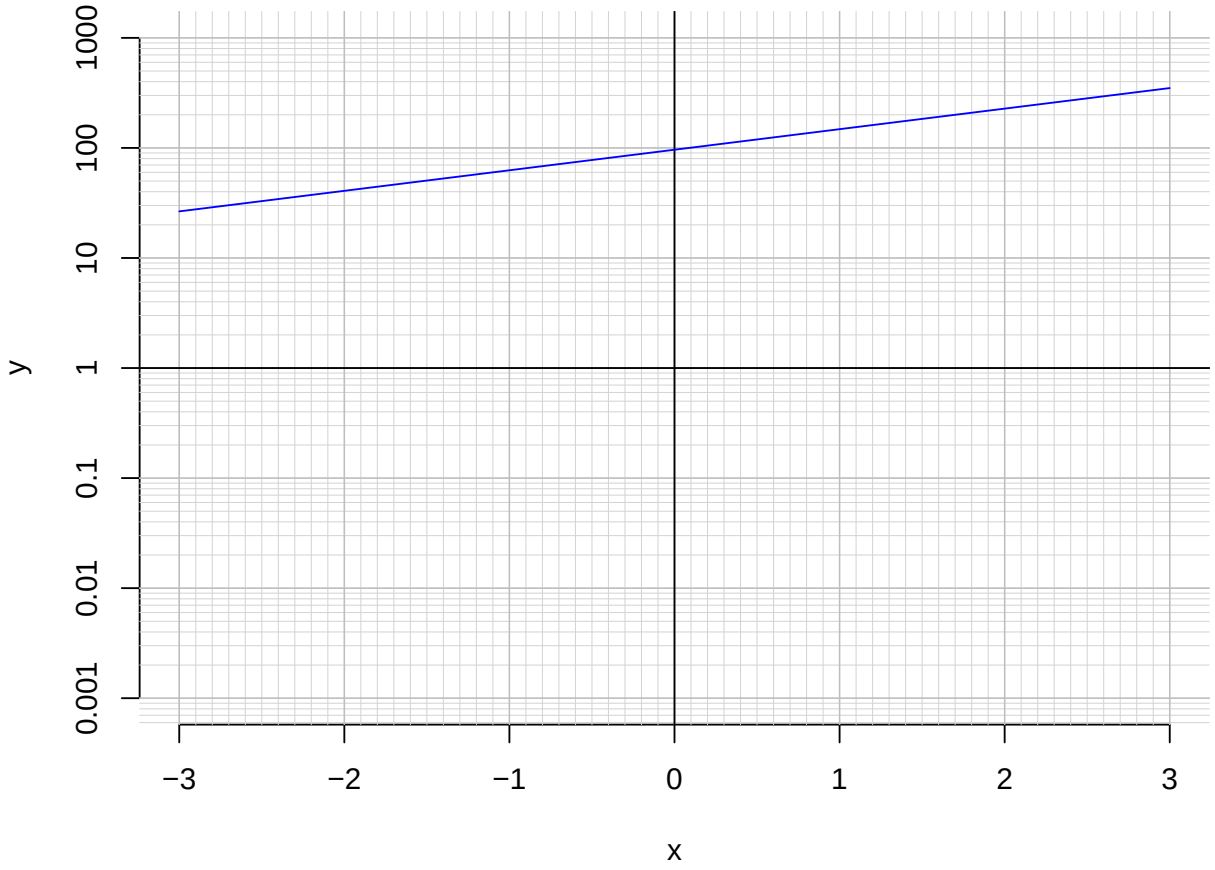
1. Graph $y = 2^{x+5} - 4$ and $y = \log_2(x+5) - 6$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$23 = \left(\frac{5}{3}\right) \cdot 10^{4t/7}$$

3. An exponential function $f(x) = 96.3 \cdot e^{0.43x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(1.7)$.

b. Express $f^{-1}(x)$, the inverse of f.

c. Using the plot above, evaluate $f^{-1}(60)$.